Welcome

Congratulations on your purchase of the Sony VAIO® computer! Your new, high-performance, multimedia computer combines state-of-the-art computer functionality with the latest audio, video and information technology features.

Features

Note:

Your computer may not be equipped with all of the hardware features listed in this section. To view the specific hardware configuration for your system, see the Specifications sheet.

VAIO AV Applications

This suite of Sony original applications includes PictureGear , Smart Capture, DVgate , DigitalPrint, SonicStage , MovieShaker , VisualFlow , and Media Bar DVD Player. These software applications make it easy to use advanced multimedia techniques to develop your personal audio and video creations. Using the i.LINK ports, you can capture, view, and share both still and video images, then catalog everything for fast, easy storage and retrieval.

i.LINK (IEEE1394) interface

Two built-in i.LINK® ports, located on the front and rear panels, provide you with digital connection capability. The i.LINK name and logo identify a high-speed communication interface, which allows you to easily connect compatible digital camcorders.

Note:

i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

Sony Pen Tablet display

This 15-inch LCD pen tablet display creates a superb interface with your software applications. You can use the supplied VAIO® Pen to draw, sketch, or write directly onto the tablet screen. The Sony Pen Tablet combines the best features of an active matrix screen with the control of a graphics tablet. Your graphics tablet display has built-in Harman/Kardon® stereo speakers.

CD-RW/DVD Combo Drive

This versatile drive, which plays DVD-ROM, CD-ROM, CD-RW, and CD-R media, utilizes optical technology that provides increased storage capacity and a rich multimedia computing experience. This drive is the ideal solution for making backups and archiving data, with the ability to store up to 650 MB of removable, rewritable storage on a single rewritable CD. Save your movies, videos and images to CD-R or CD-RW media, to share with family and friends.

AutoAlert E-mail Notification System

The AutoAlert E-mail Notification System has custom software that automatically downloads your e-mail on a preset schedule using Microsoft® Outlook® Express software. An LED light on the display instantly lets you know when new mail has arrived.

Sony Memory Stick media slot

The next generation of digital storage media is smaller than a stick of gum. Easily deliver information between Memory Stick ® media-equipped devices, such as cameras, transferring images, sounds, data and text.

VAIO Convertible keyboard

The innovative palm rest converts to a keyboard cover for a sleek look when your keyboard is not in use. Four Programmable Power Keys (PPKs) let you launch applications with the push of a button.

Compact system components

Enjoy the system's versatility by positioning the components in an arrangement of your choice.

Sony audio and video quality

Take advantage of today's advanced multimedia applications, games, and entertainment software with the Sony high-fidelity audio system and high-powered 3-D graphics.

Microsoft Windows XP Home Edition operating system

Your system includes this latest consumer operating system from Microsoft®.

Preinstalled software

All the software on your computer is preinstalled, configured, and ready to use right out of the box.

Communications

You have the choice of a variety of popular online services to browse the Internet, access e-mail, send faxes, and much more.

Exceptional performance

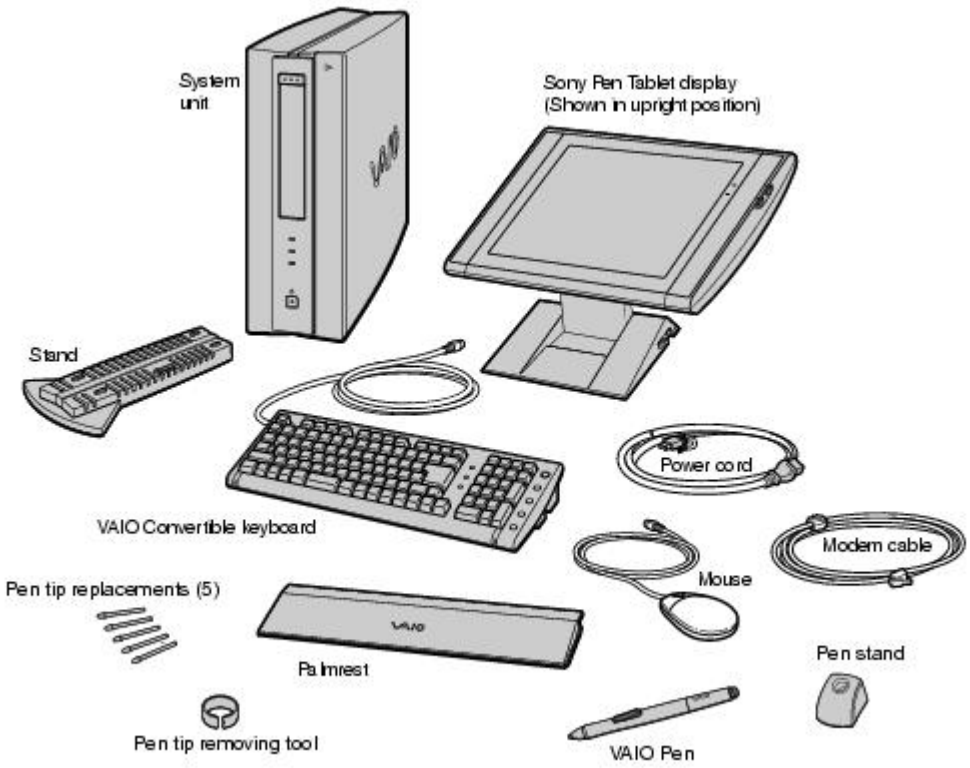
Your computer includes an Intel® processor, a 10Base-T/100Base-TX Fast Ethernet interface, and a V.90 compatible data/fax modem.[1]

[1] Actual upload and download speeds may vary due to line conditions, ISP support, and government regulations.

Unpacking Your Computer

Your computer may not be supplied with all of the accessories shown, depending on the system configuration you purchased. For details on the accessories supplied with your computer, see the Specifications sheet.

Computer and Supplied Accessories



Manuals

- ***VAIO Slimtop Computer QuickStart —*** Contains information on unpacking and setting up your computer, supplementary updates, support information, and software information.
- **The *VAIO Slimtop Computer User Guide*** is available electronically on your computer's hard drive. To access the online manual:
    1. Click Start in the Windows taskbar, then click VAIO Help and Support.
    2. From the Help and Support menu, click VAIO User Guide.
- ***Safety Information —*** Provides safety and legal information about your VAIO® computer.
- ***Specifications —*** Describes the hardware and physical configurations of your VAIO computer.
- ***Microsoft® Windows® XP Home Edition Guide —*** Explains how to use the basic features of this Windows® operating system.

Recovery CDs

See System, Application and Driver Recovery CD(s) for information on using the Recovery CDs.

- **System Recovery CD(s) —** Enables you to restore the software that shipped with your computer if it becomes corrupted or is erased. System Recovery CDs can only be used to restore the hard disk of the Sony computer you purchased.
- **Application Recovery CD(s) —** Enables you to reinstall individual applications if they become corrupted or are erased.
- **Driver Recovery CD —** Enables you to restore device drivers if they become corrupted or are erased.

Software Library

The Software Library contains the Microsoft software license agreement and the Sony end-user license agreement.

To Choose an Ergonomic Location for your Computer

Before you get started, find the best location for your new computer.

Planning your workspace

- **Stable work surface —** Use a stable work surface large enough to support the computer and other peripheral equipment.
- **Ventilation —** Leave at least eight inches of space on the left and back sides of your computer to enable proper ventilation.
- **Placement of the keyboard, mouse, and other input devices —** Place your keyboard, mouse, and other input devices so that your arms and hands are in a relaxed, comfortable position. The keyboard should be directly in front of you. Adjust the level of the keyboard so that your lower arms are parallel to the floor. Keep your wrists in a relaxed position when you are using the keyboard--not angled up or down. Use the palmrest only briefly, for resting. While typing, never use the palmrest or rest your hands on the table. Position the mouse at the same level as the keyboard. Hold the mouse with a relaxed hand, and use your whole arm to move it. Take breaks during sessions with your computer. Excessive use of the mouse or a joystick may strain muscles or tendons.
- **Furniture and posture —** Sit in a chair with good back support and armrests. Adjust the level of the chair so your feet are flat on the floor. A footrest may make you more comfortable. Sit with relaxed, upright posture--avoid slouching forward or leaning far backward.
- **Viewing angle of the display —** Position the display 18 to 26 inches directly in front of you, with the top of the screen at or a little below eye level. Use the display's tilting feature to find the best position. You can reduce eye strain and muscle fatigue by placing the display in the proper position.
- **Lighting —** Choose a location where windows and lights do not create glare and reflection on the display. Use indirect lighting to avoid bright spots on the display. You can also purchase accessories for your display that help reduce glare. Proper lighting adds to your comfort and work effectiveness.

Locating Controls and Connectors

The front panel of your VAIO Slimtop Computer enables access to the CD-RW/DVD combo drive, and the Memory Stick® and PC card slots. It also contains Universal Serial Bus (USB) and i.LINK® ports to connect compatible peripheral devices.

The back panel of your computer contains the ports and jacks for supplied and optional peripheral equipment or accessories.

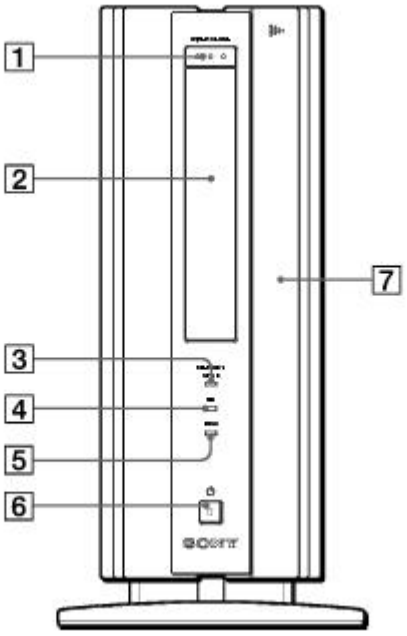
Front Panel Overview

Note:

i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

Front Panel



1 Optical drive eject button

Ejects a disc from the optical drive.

2 Optical drive

See Specifications sheet for optical drive information.

3 Memory Stick® media access indicator light

Lights in amber while reading and writing data from and to a Memory Stick media.

4 Hard disk drive access indicator light

Lights in amber while reading and writing data from and to the hard disk.

5 Optical drive access indicator light

Lights in amber while reading and writing data from and to an optical disc.

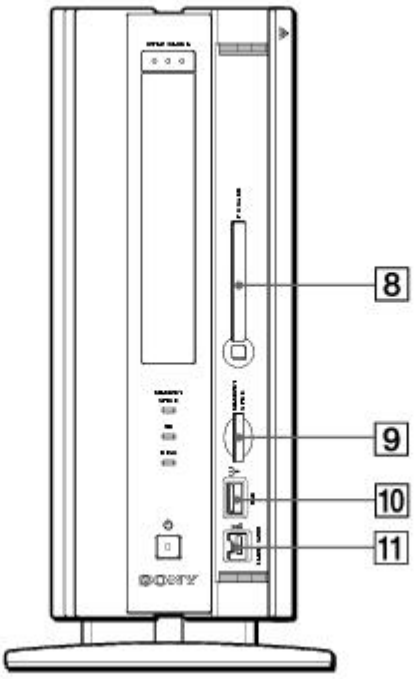
6 Power button and indicator light

Turns the computer and display on and off. The indicator light is green while the power is on and amber when the computer is in Stand by mode.

7 Front panel cover

A sliding panel that covers the Memory Stick and PC card slots, and the USB and i.LINK ports.

Front Panel (cont.)



8 PC Card slot

A PC card (also called a PCMCIA card) can be installed in this slot. PC cards enable you to add functionality to your system.

9 MEMORY STICK media slot

Insert a Sony Memory Stick media into this slot.

10 Universal Serial Bus (USB) port

Connection for a USB device.

11 i.LINK® 4-pin port (IEEE1394)

Connection for a compatible i.LINK digital device.

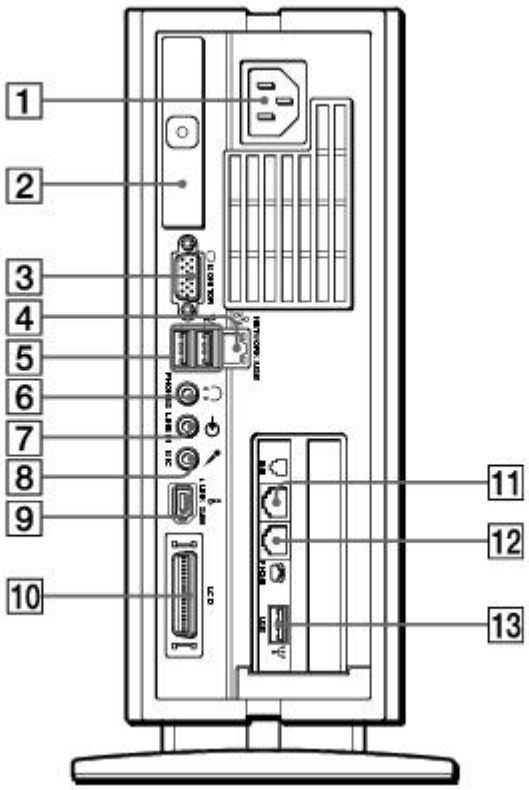
Note:

For your convenience, your computer includes USB and i.LINK ports on both the front and the back panels. The 4-pin i.LINK port is located on the front panel and the 6-pin i.LINK port is located on the back.

Back Panel Overview

The icons on the back panel help locate and identify the ports and jacks on your computer.

Back Panel



Note:

Your computer may not be supplied with all of the features listed, depending on the system configuration you purchased.

1 AC Input port

Connection for the supplied power cord.

2 T-Lever

A handle that is used to remove the unit's cover.

3 Monitor port

Connection for a standard CRT display.

4 Ethernet port

10Base-T/100Base-TX Fast Ethernet interface.

(The port marked with (Network) is for LAN (Local Area Network) connections only.)

5 Universal Serial Bus (USB) ports (2)

Connections for USB devices. Two USB ports are located on the back panel and one USB port is located on the modem card (See No. 13).

6 **Headphones jack**

Connection for optional headphones or computer speakers.

7 **Line In jack**

Connection for an optional audio device.

8 **Microphone jack**

Connection for an optional microphone.

9 **i.LINK® 6-pin port (IEEE1394)**

Connection for a compatible digital device.

10 **LCD display (monitor) port**

Connection for an LCD display or Sony Pen Tablet.

Note: Do not connect any other display to this port.

11 **Modem line jack**

Connection for the supplied modem cable to the wall jack.

12 **Telephone jack**

Connection for the phone cable (optional) to the computer.

13 **Universal Serial Bus (USB) port**

Connection for a USB device.

Note:

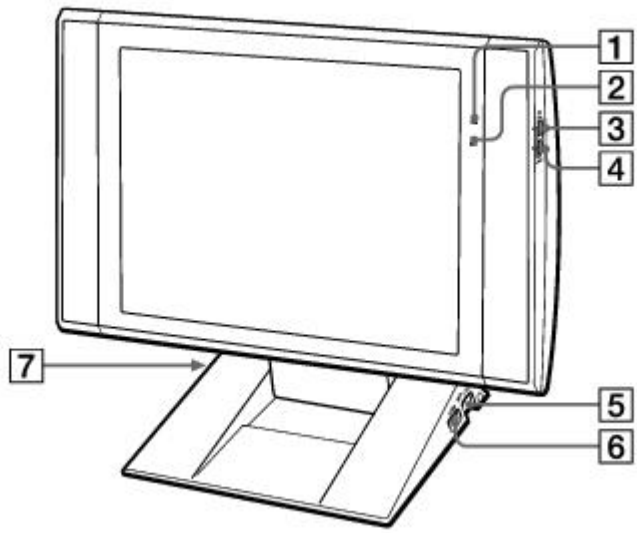
i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The i.LINK connection may vary, depending on the software applications, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

Sony Pen Tablet Display

Your VAIO Slimtop Computer is supplied with a Pen Tablet display. This section describes the features and connection capabilities of your Sony Pen Tablet.

Sony Pen Tablet display (Shown in an upright position)



1 **Power indicator light**

Light is green while the power is on. When the computer enters Stand by mode, this indicator light turns amber.

2 **Information LED light**

Light turns red to alert the user to activities, such as the arrival of e-mail. See Using the AutoAlert E-mail Notification System

3 **Brightness control**

Adjusts the brightness of the screen.

4 **Volume control**

Adjusts the volume of the integrated Harmon/Kardon® speakers built into the LCD display.

5 **PS/2® mouse port**

Connection for a mouse.

6 **Universal Serial Bus (USB) port**

Connection for a USB device.

7 **PS/2® keyboard port**

Connection for the supplied VAIO® Convertible Keyboard.

To Use the Sony Pen Tablet and Accessories

Your VAIO Slimtop Computer is supplied with a Sony Pen Tablet display, a VAIO® Pen, and accessories. This section provides information on using the Pen Tablet display and accessories.

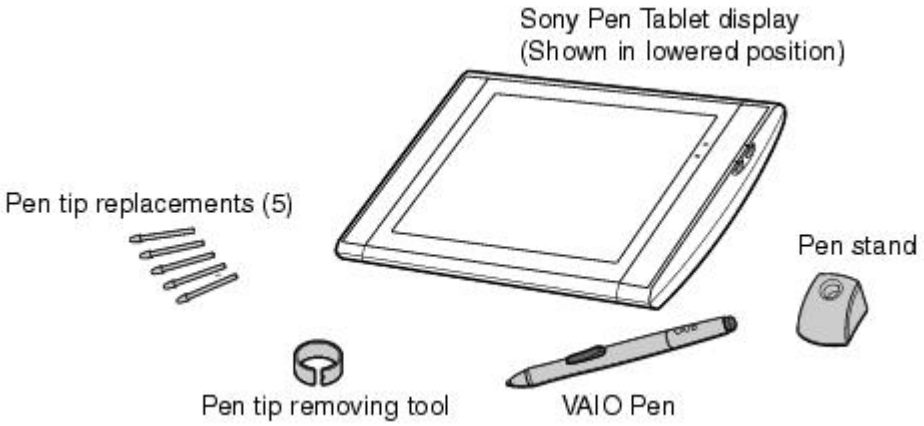
About the Pen Tablet Display and Accessories

The Sony Pen Tablet is a graphic interface that provides a pressure-sensitive work area. The VAIO Pen is a cordless input device that controls the movement of the cursor on the surface of the tablet screen. The pen stand, pen tip replacements, and pen tip removing tool help you protect and care for your VAIO Pen.

Note:

Place the VAIO Pen in the supplied pen stand when it is not in use, to maintain the sensitivity of the pen tip and to avoid interference with other pointing devices, such as your mouse.

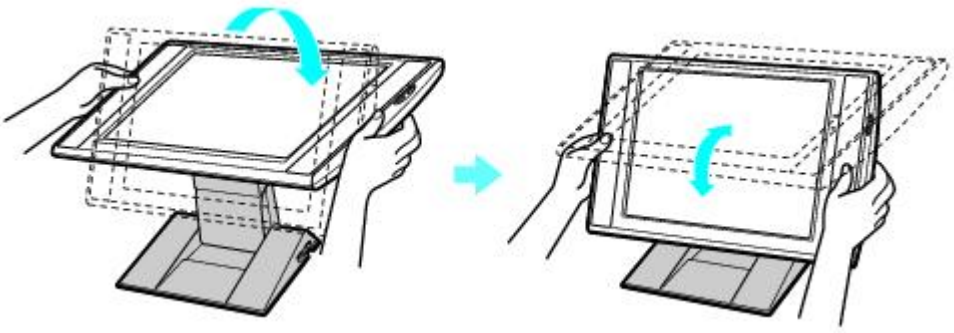
Sony Pen Tablet and accessories



To Adjust the Sony Pen Tablet Display

Adjust your Pen Tablet display by holding both sides of the display, and then pushing the display panel out and up.

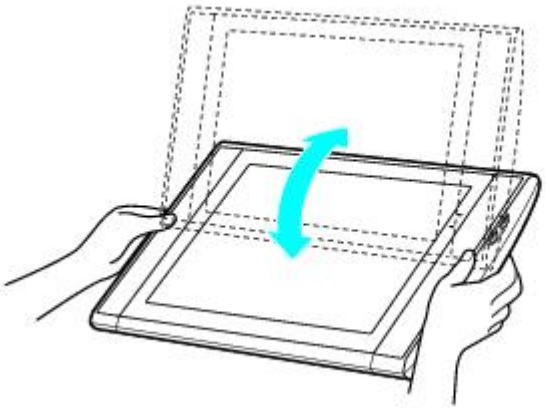
Adjusting the viewing angle



Setting the display height and viewing angle

Set the display height so that it covers the keyboard, and adjust the screen for a viewing angle that enables you to work with the tablet and VAIO pen comfortably.

Adjusting viewing angle for working with the VAIO pen



Caution:

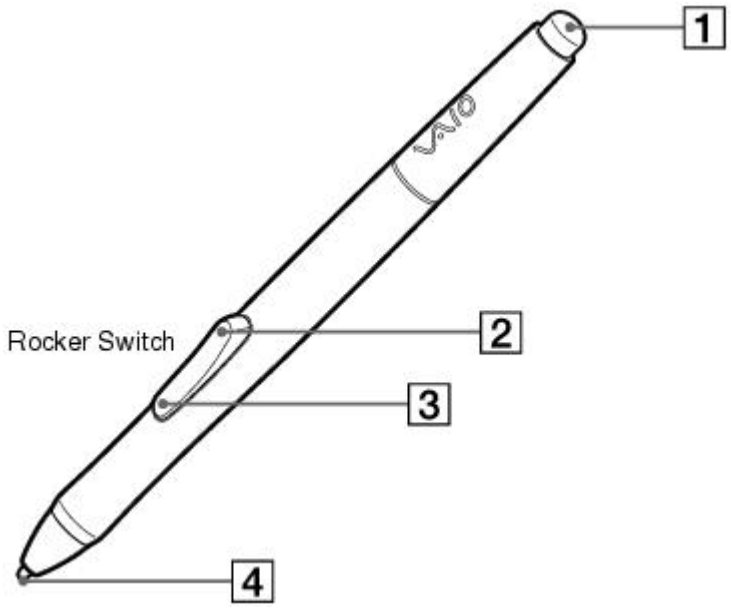
The Sony Pen Tablet operates with radio-frequency energy. This may cause interference with radio and television reception, if the display is not installed and used correctly. If your tablet is interfering in this manner, move the equipment away from the radio or television.

Using the VAIO Pen

The VAIO® Pen controls the cursor movements on the Sony Pen Tablet screen. Hold the pen in the same manner as a pen or pencil, making sure that the rocker switch on the side is within reach of your thumb or forefinger, but cannot be accidentally pressed while drawing or writing.

The VAIO Pen is activated when it is held within close proximity to the pen tablet screen. You can position the cursor on the pen tablet screen, or use the rocker switch, without touching the pen tip to the tablet surface.

VAIO Pen



1 Eraser

Delete unwanted portions of your work, depending on the application in use.

2 Upper switch position

The upper side of the rocker switch is set to deliver a double left click by default.

3 Lower switch position

The lower side of the rocker switch is set to deliver a right click by default.

4 Pen tip

You can use the pen tip to draw or write. Tapping the pen tip against the tablet screen delivers a click in the same manner as the left button on a mouse.

To change the settings of your VAIO Pen

Your VAIO® Pen tip, eraser, and the upper/lower switch positions are programmable.

By default, the basic functions performed by the VAIO Pen are:

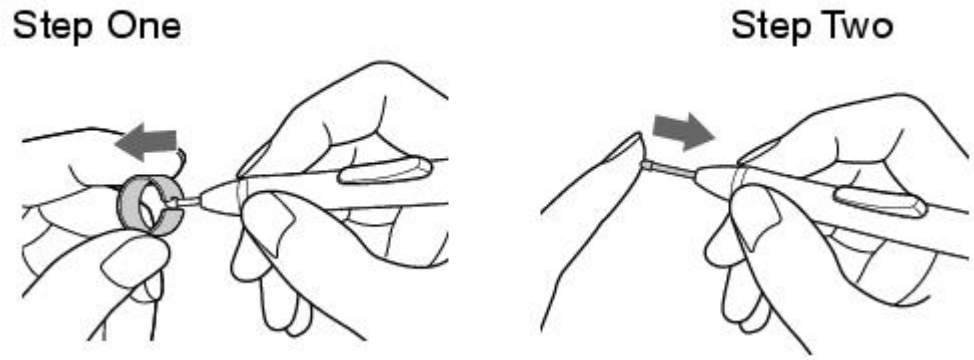
- **Pointing —** Place the tip of the pen anywhere on the pen tablet screen and the screen cursor will automatically correspond to that point.
- **Clicking —** Tap the pen tablet screen once with the tip of the pen, or press the pen tip against the screen with enough pressure to register a single click.
- **Double-clicking —** Quickly tap the pen tablet screen twice in the same place with the tip of the pen. You can also register a double click by pressing the upper switch position of the pen's rocker switch.
- **Dragging —** Point to and select an object by pressing the pen to the pen tablet screen. Slide the pen tip across the tablet to move the object to the desired location. To select text, point to the beginning of the text, and then drag the pen across the tablet until all of the desired text is highlighted.

To replace the Pen tip

Your VAIO Pen is supplied with pen tip replacements. The pen tip wears with normal use and must be replaced when the tip becomes too short or develops a flat point. Follow these steps to replace the pen tip:

1. Clasp the worn pen tip with the pen tip removing tool and pull it straight out of the VAIO Pen barrel.
2. Slide the flat end of a new pen tip straight into the barrel, pushing the tip firmly until it stops.

Removing the Pen tip



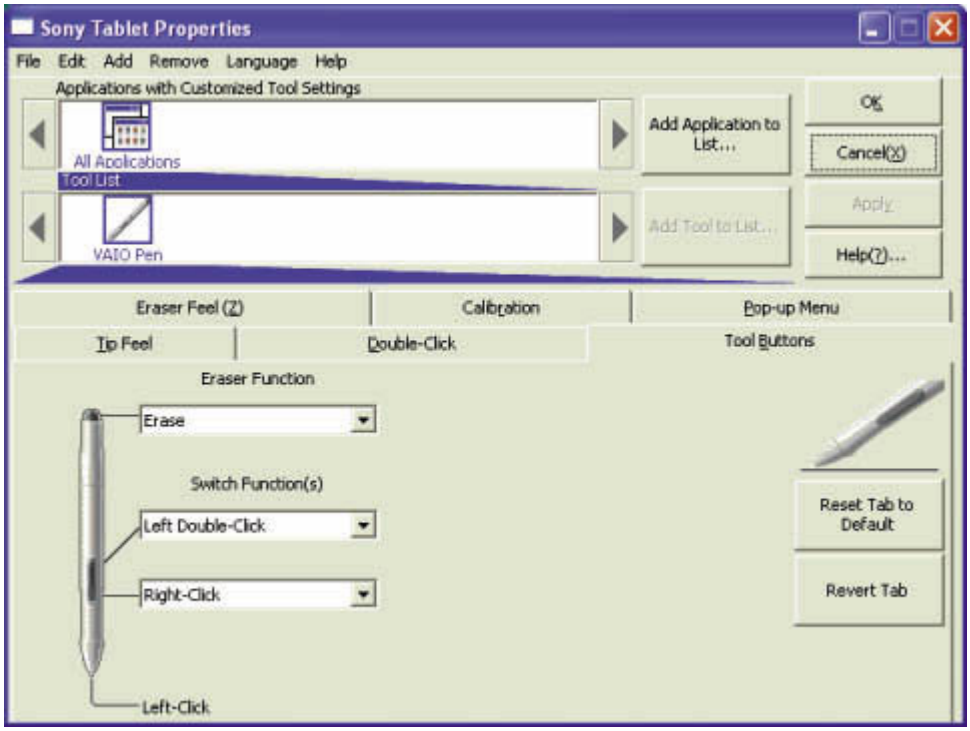
Configuring the VAIO Pen Functions

The eraser, upper and lower switch positions can be programmed to perform different functions. See the Sony Pen Tablet online Help for more information on VAIO Pen settings.

To change the pen tip, eraser and upper/lower switch functions

1. Click Start in the Windows® Taskbar, then click Control Panel.
2. Click Other Control Panel Options.
3. Click Sony Tablet. The Sony Tablet Properties window appears.
4. From the Tool Buttons tab, click the drop-down list for the pen function you wish to change. Select the desired function for the pen tip, eraser, or the upper/lower switch positions.

Sony Tablet Properties main window



Function	Description
Left-Click	Single click of the left mouse button.
Left Double-Click	Double-click of the left mouse button.
Right-Click	Single click of the right mouse button.
Middle-Click	Clicking the center wheel button of a wheel mouse.
Left-Click Lock	Holds down the left mouse button.
Keystroke	Performs a programmed keystroke.
Modifier	Operates as the Shift, Alt, or Ctrl key (as programmed).
Pressure Hold	Keeps the pen tip pressure constant.
Mode Toggle	Switches between Pen (absolute coordinate) and Mouse modes.
Pop-up Menu	Displays a pop-up menu at the cursor position.

Erase Operates as an eraser.

Ignored No function is assigned.

Note:

The Left-Click function is assigned by default to the pen tip. Before you change the pen tip setting to perform a different function, assign the Left-Click function to another switch. Sony suggests assigning the Left-Click function to the pen tip when using the pen with drawing applications.

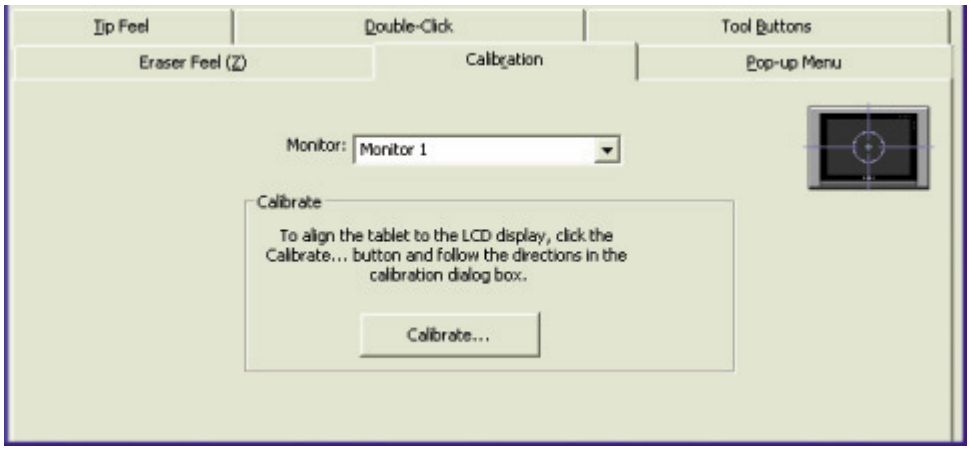
Note:

You can reset your VAIO® Pen functions to the default settings by using the "Reset Tab to Default" button. You can revert to a previously saved setting by using the "Revert Tab."

To calibrate your pen to the tablet screen

1. From the Sony Tablet Properties screen, click the Calibration tab.
2. Click the "Calibrate..." button. Follow the on-screen instructions to align your pen's cursor positioning to the tablet screen coordinates.

Calibration Tab

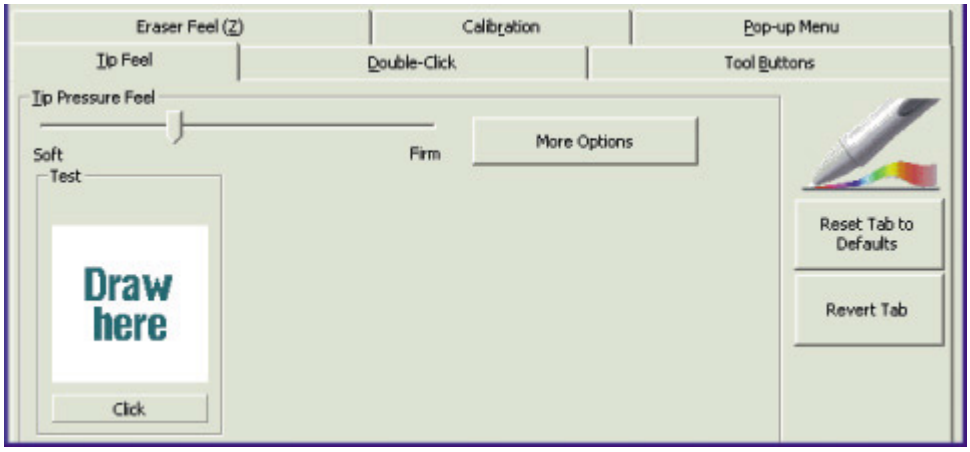


3. Click Apply. The on-screen cursor location is adjusted to correspond to the pen tip.

To adjust the pen tip pressure and feel

1. From the Sony Tablet Properties screen, click the Tip Feel tab.
2. Test the pen tip feel by drawing lines in the "Draw here" Test area. The lines are drawn with the current pen pressure settings.
3. Check the pen's clicking pressure by tapping the Click button in the Test area. If you tap more forcefully than the pen's current settings, the Click button changes color.

Tip Feel Tab



4. Adjust the pen tip pressure feel by moving the measurement slider to a desired level. The pressure settings range from Soft, which requires light pressure, to Firm, which requires more forceful pressure.
5. Click More Options if you wish to make a more in-depth adjustment to the pen tip pressure feel.
6. Click Apply. The new tip pressure feel settings are applied to the pen.

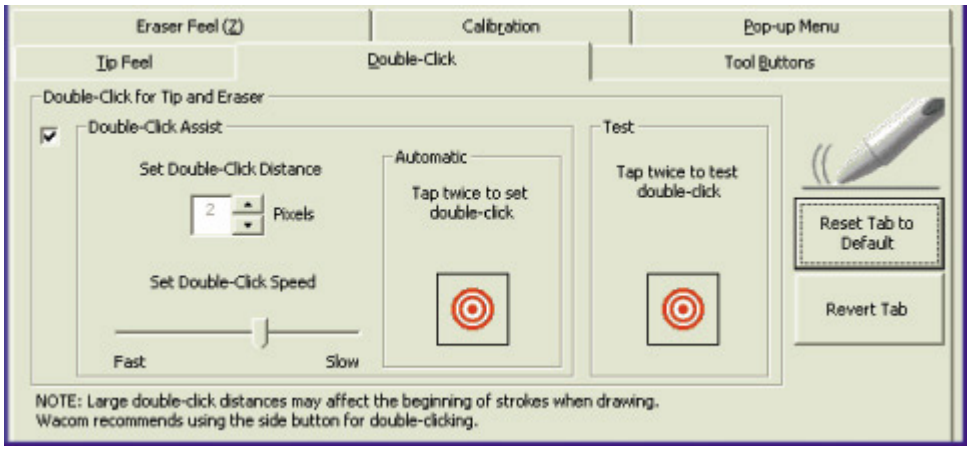
Note:

You can reset your pen tip pressure feel to the default settings by using the "Reset Tab to Default" button. You can revert to previously saved pen tip pressure feel settings by using the "Revert Tab."

To adjust the pen's double-click speed and distance

1. From the Sony Tablet Properties screen, click the Double-Click tab.
2. To allow the Sony Tablet software to automatically adjust the double-click speed and distance, place a check mark in the box located next to Double-Click Assist.

Double-Click Tab



Note:

You can disable the Double-Click Assist for specific applications. When Double-Click Assist is disabled, you can only double-click by using the upper switch position. For more information about disabling the settings for specific applications, see Customizing the pen settings for specific software applications

3. Automatically set both the double-click speed and distance by tapping twice on the (target icon) in the "Automatic" area.
4. You can manually change "Set Double-Click Distance" to a distance between 1-25 pixels by clicking on the up/down arrows. You can also manually change "Set Double-Click Speed" by moving the measurement to a desired speed.
5. You may test your double-click speed and distance settings by tapping twice on in the Test area. If your tapping matches the current double-click settings, the button icon changes ( ) to indicate a successful test. If the icon does not change after several tests, review your double-click speed and distance settings.
6. Click Apply. The new double-click speed and distance settings are applied to the pen.

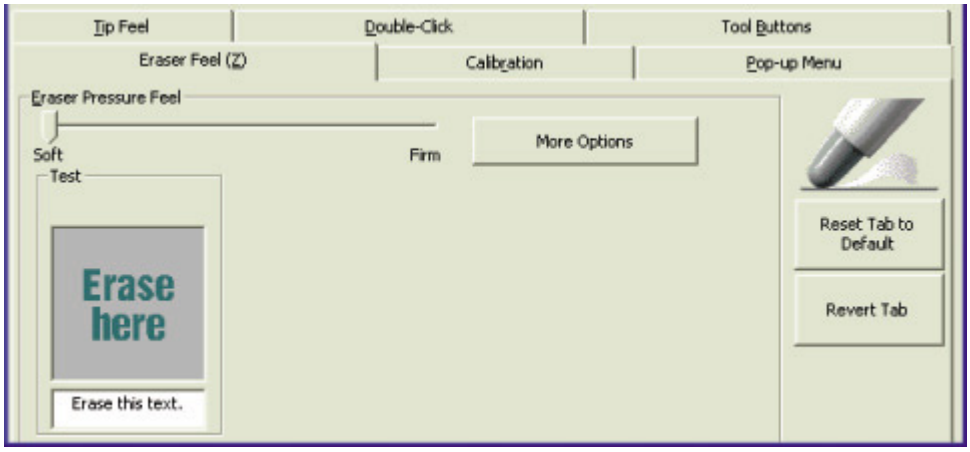
Note:

You can reset your double-click speed and distance to the default settings by using the "Reset Tab to Default" button. You can revert to previously saved double-click settings by using the "Revert Tab."

To adjust the eraser pressure and feel

1. From the Sony Table Properties screen, click the Eraser Feel tab.
2. To check the current erase pressure feel, erase the phrase "Erase this text" in the Test area. The text disappears when you are erasing more forcefully than the current setting.
3. Test the eraser feel by erasing in the "Erase here" Test area. The erased area changes color when you are erasing more forcefully than the current setting.

Eraser Feel Tab



4. Adjust the eraser pressure feel by moving the measurement slider to a desired position. The pressure settings range from Soft, which requires light pressure, to Firm, which requires more forceful pressure.
5. Click More Options if you wish to make a more in-depth adjustment to the eraser pressure feel.
6. Click Apply. The new eraser pressure feel settings are applied to the pen.

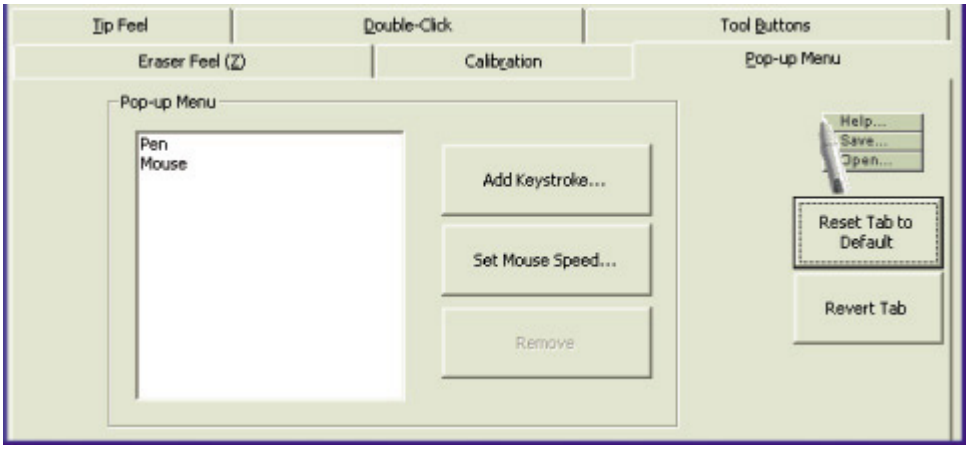
Note:

You can reset your eraser pressure feel to the default settings by using the "Reset Tab to Default" button. You can revert to previously saved eraser pressure feel levels by using the "Revert Tab."

Configuring the Pop-up Menu

The Sony Tablet Properties window has a Pop-up Menu tab that can be used to configure on-screen pop-up menus. The Pop-up Menu function can be assigned to the VAIO® Pen. If you press a pen switch position that is assigned to the Pop-up Menu function, a small pop-up menu appears at the on-screen cursor position. You can execute a predetermined operation by selecting settings from the Pop-up Menu. For more information on configuring Pop-up Menus, see the Sony Tablet online Help.

Pop-up Menu Tab



Note:

You can reset the Pop-up Menu function to the default settings by using the "Reset Tab to Default" button. You can revert to previously saved Pop-up Menu settings by using the "Revert Tab."

Customizing the pen settings for specific software applications

You can customize your pen settings for a specific software application. When you use different software, the associated pen settings are applied automatically, enabling you to take full advantage of each software application's features.

To add an application to the custom settings list

1. From the Sony Tablet Properties window, click "Add Application to List...". The "Add Application for Custom Settings" dialog box appears.
2. You may select a currently open application to add to the Application List, or click Browse to select any other application to add.
3. Click OK.

To create custom settings for an application

1. Select a software application from the "Applications with Customized Tool Settings" list.
2. Customize the pen settings for each software application according to the software's features. The settings apply only to the selected application.

   Note:

   If you have pen settings that you want all software applications to share, select "All Other Apps" before changing the setting.

3. Click Apply.

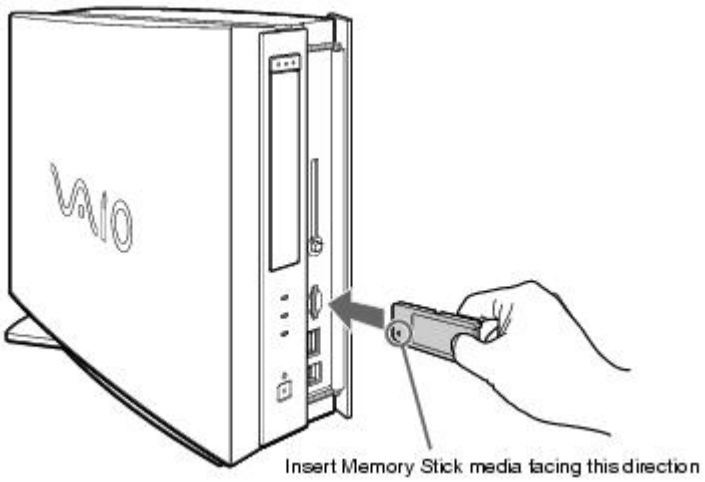
To remove an application from the custom settings list

1. Click the Remove menu, then click "Custom Settings for Application."
2. Select the application(s) to be removed.
3. Click OK.

Using Memory Stick Media

Your VAIO Slimtop computer is designed to support the Sony Memory Stick® storage media. A Memory Stick media is a compact, portable, and versatile data storage device designed for exchanging and sharing digital data with similarly equipped products.

Inserting the Memory Stick Media



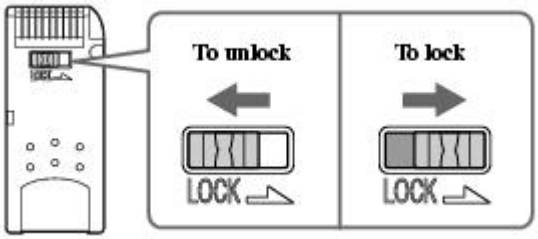
Note:

Memory Stick media does not support AVI file playback. To play an AVI file stored on a Memory Stick media, copy the file to your hard disk drive.

To protect data on Memory Stick media from accidental changes

Memory Stick media contains a write-protect tab. The write-protect tab prevents accidental changes to information recorded on your Memory Stick media. When you slide the write-protect tab to the LOCK position, your Memory Stick media is write-protected. This means that you cannot delete, copy, or save information on the media. When you slide the tab to the un-LOCK position, you can write to or modify your Memory Stick media's contents.

Locking the Memory Stick Media



Using PC Cards

Your computer has a card bus PC card slot that supports Type I or Type II PC (PCMCIA) cards.

Note:

You do not need to shut down your computer when inserting a PC card.

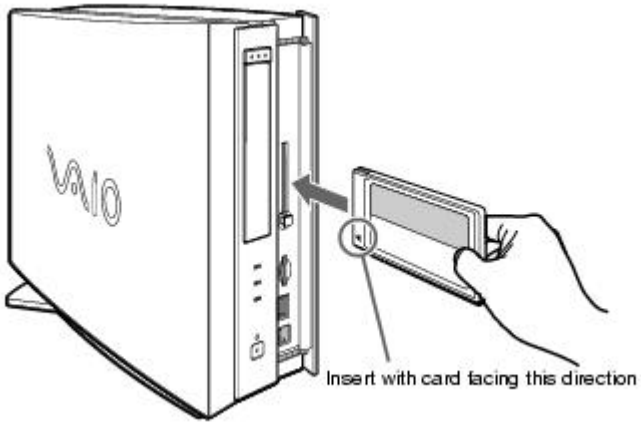
To insert a PC card

1. Slide front panel cover in the direction of arrow as shown, to open the front panel.

Opening the front panel

2. Insert the PC card into the PC card slot until it clicks into position.

Inserting a PC card



Note:

If the card does not insert easily, make sure the card is not being inserted upside-down or backwards. Carefully reinsert the card into the slot, but do not force it in.

See the instructions that came with the PC card for details on using it.

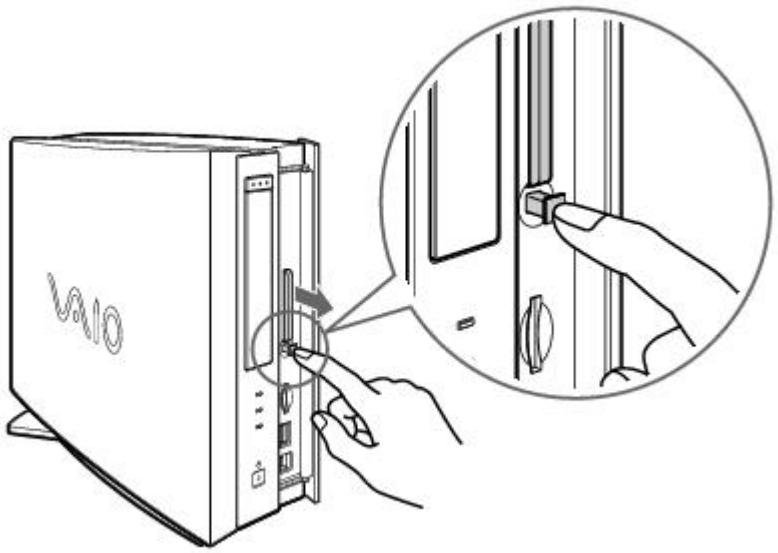
Ejecting a PC card

Note:

If you eject the PC card incorrectly, the system may not work correctly.

1. Double-click the Safely Remove Hardware icon in the Windows® task tray.
2. Click the name of the card that you want to eject, then click Stop. The Stop a Hardware device window appears.
3. Click OK.
4. When the message "Safe to Remove Hardware" appears, push the PC card Eject button on the front panel of the system unit. You may need to extend the Eject button out from the computer before you can eject the card.

Ejecting a PC card



5. When the PC card ejects from the PC card slot, remove it by holding the edges and pulling it out carefully.

Setting Up Your VAIO Slimtop Computer

Your computer has many new and exciting features. This section contains information on setting up your computer and peripheral devices.

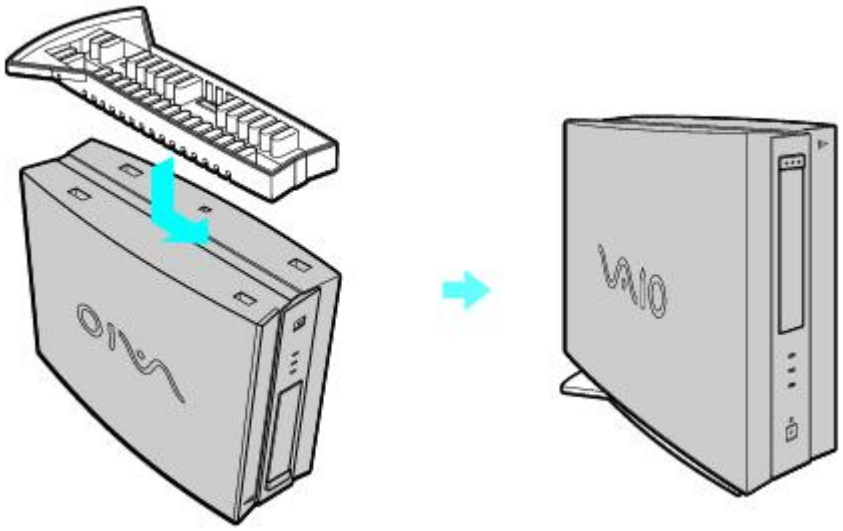
To Set Up Your Computer

This section illustrates how to set up and install your computer and peripheral devices.

Attaching the stand to the system unit

1. Place the system unit upside down, with the front of the system facing towards you.
2. Insert the stand pegs into the ventilation holes of the system. Place the wider end of the stand at the rear of the unit as shown.
3. Lock the stand onto the system unit by pressing down gently and pulling forward slightly. The stand clicks into place.

Attaching the slim top stand



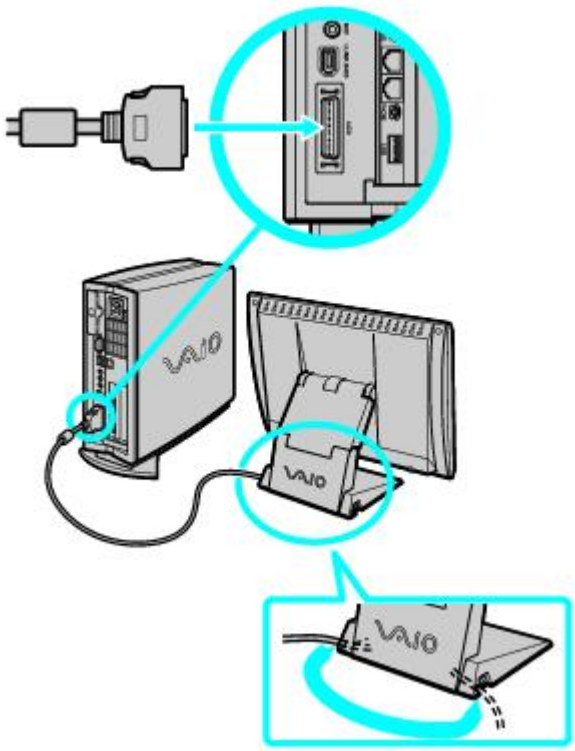
Note:

The stand keeps the system cool by allowing air to flow under it. It is important to place the system unit in an upright position using the stand correctly, to avoid overheating of the system unit.

Connecting the Sony Pen Tablet display

1. Press the lock buttons on both sides of the LCD connector and connect the LCD cable into the LCD port on the system.
2. Release the connector when it clicks into place.

Connecting the Pen Tablet display



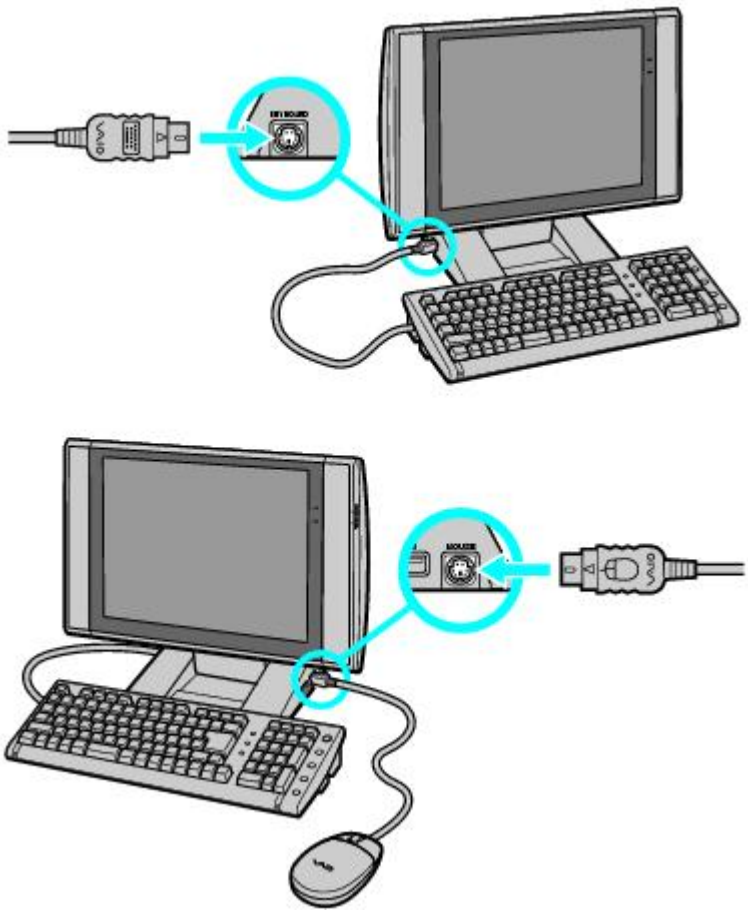
Note:

There are two holes in the base of the Pen Tablet display (on the right and left sides) for routing the LCD cable to the system. Install your equipment so that you can easily reach the power outlet in the event of an emergency.

Connecting the keyboard and mouse

1. Plug the keyboard cable into the Keyboard port on the Pen Tablet display.
2. Plug the mouse cable into the Mouse port on the Pen Tablet display.

Connecting the keyboard and the mouse



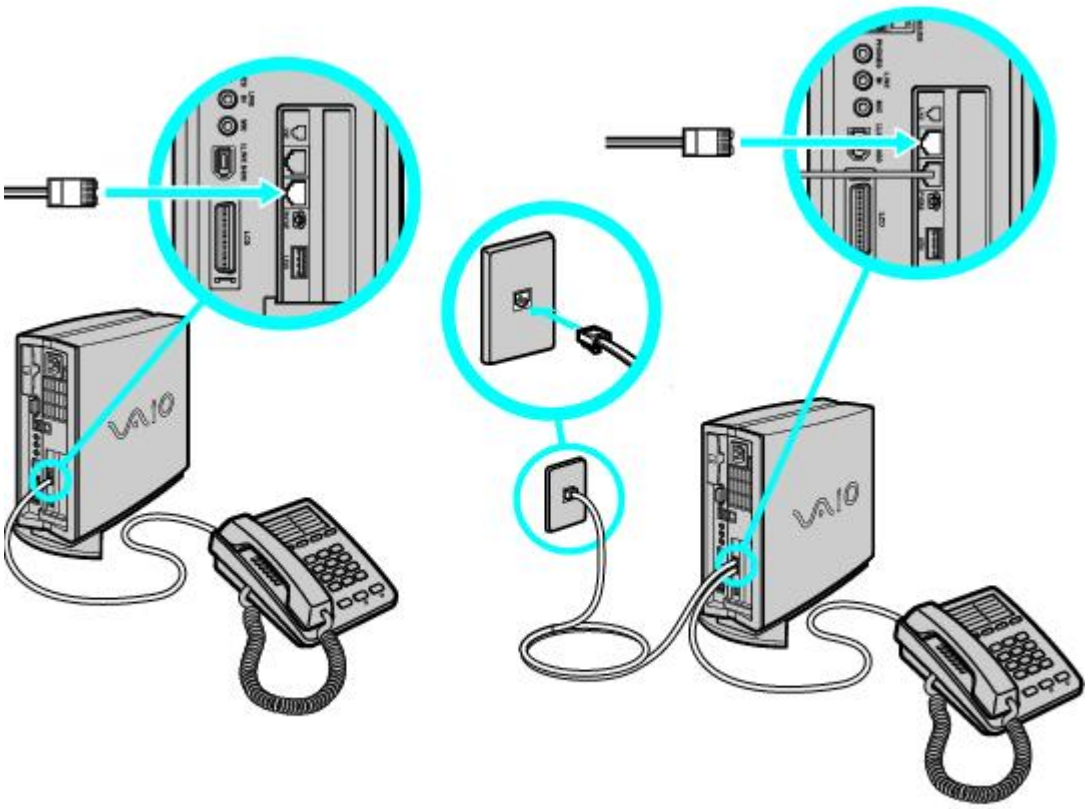
Connecting the modem cable

1. Unplug your phone cable from the wall jack and plug it into the Telephone jack on the computer.
2. Plug the modem cable (supplied) into the Line jack on the computer, and then plug the other end into the wall jack.

Caution:

Your computer has a protective sticker next to the Ethernet port located on the rear panel. Connect only 10Base-T and 100Base-TX cables to the Ethernet port. Using other cables or a telephone cable may result in an electric current overload and can cause a malfunction, excessive heat or fire in the port. For help on connecting to a network, see your network administrator.

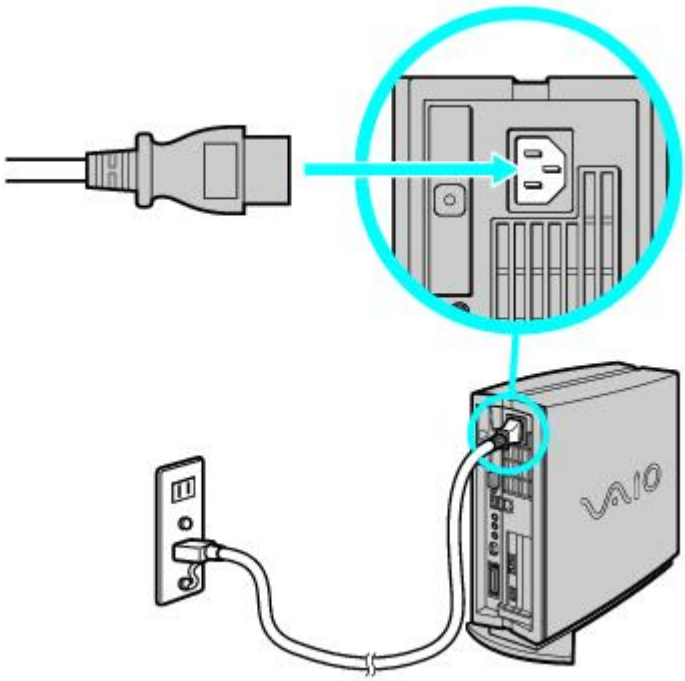
Connecting the modem cable



Connecting the power cord

1. Plug one end of the power cord into the AC Input port on the back of the system.
2. Plug the other end into a grounded AC wall outlet or power strip.

Connecting the power cord



Note:

When you plug the power cord into the wall outlet, the power indicators on the system and LCD light up momentarily, and the fan turns on briefly. This is not a malfunction.

To Turn On and Register Your Computer

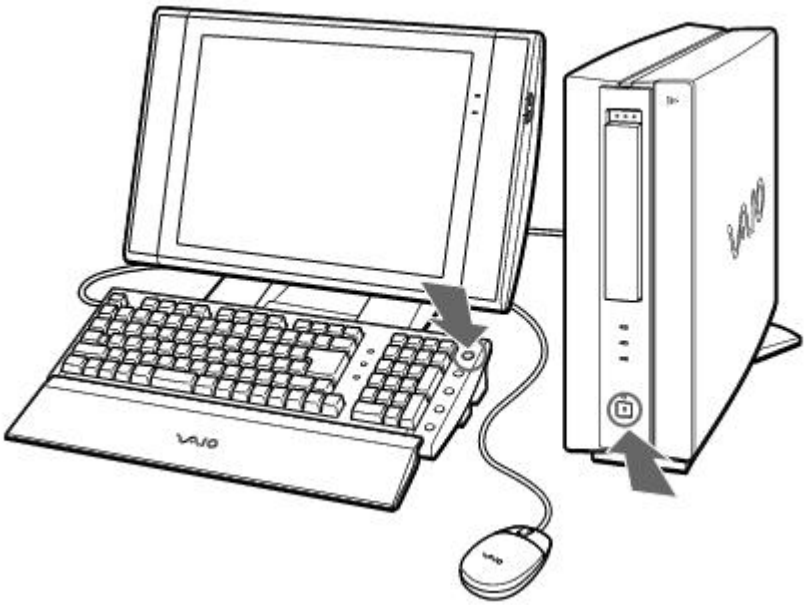
Note:

When you start your system for the first time, your computer may detect new equipment and display a dialog box that asks you to restart your computer. Please respond to this request immediately.

Turning on your computer

Press the Stand by key on the keyboard to turn on the system and the Sony Pen Tablet display, or press the Power button on the system unit.

Turning on your computer



Note:

Pressing any of the keys numbered P1 through P4 starts the computer and launches a preset application.

Registering your computer

Take advantage of Sony's commitment to quality customer support and receive these benefits by registering your computer:

- **Sony Customer Support —** Communicate with a Support Representative to troubleshoot problems you may be having with your computer.
- **Limited warranty —** Protect your investment. See the Warranty Card for more details.

Note:

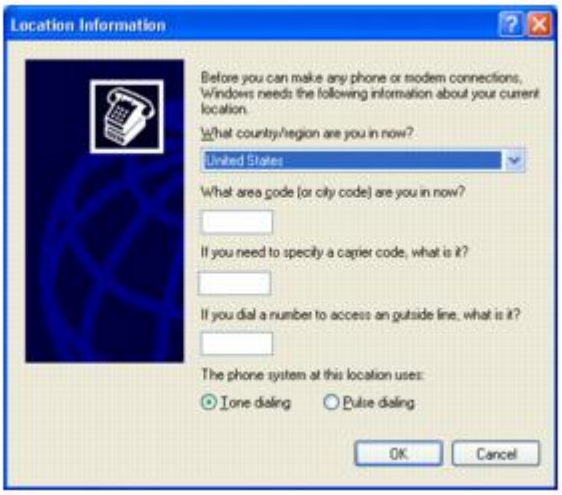
You are prompted to register your computer the first time you turn on the unit. Follow the on-screen instructions to complete the registration process. If you are not able to register your computer during the first session, you are provided with additional registration opportunities later.

Setting up your dial-up connection

The first time you turn your computer on, follow these steps to set up your dial-up connection:

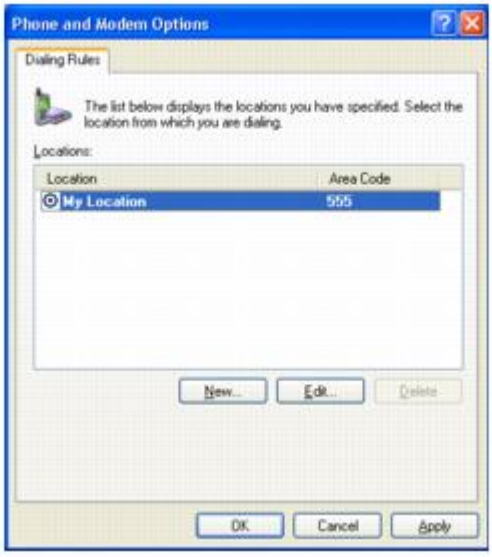
1. Click Start from the Windows taskbar and select All Programs.
2. Point to Accessories, point to Communications, and then click New Connection Wizard. The Location Information window appears.

Location Information window


Location Information
Before you can make any phone or modem connections, Windows needs the following information about your current location.
What country/region are you in now?
United States
What area code (or city code) are you in now?
If you need to specify a carrier code, what is it?
If you dial a number to access an outside line, what is it?
The phone system at this location uses:
Tone dialing
Pulse dialing
OK
Cancel

3. Enter in your information as requested. Click OK. The Phone and Modem Options window appears.

Phone and Modem Options window



4. Click to select your dialing location and then click OK. The New Connection Wizard appears.

New Connection Wizard window

New Connection Wizard
Welcome to the New Connection Wizard
This wizard helps you:
• Connect to the Internet.
• Connect to a private network, such as your workplace network.
• Set up a home or small office network.
To continue, click Next.
< Back
Next >
Cancel

5. Follow the onscreen instructions to finish setting up your Internet connection.

To Use the Stand by Mode

When you plan to stop using your computer for a short period of time, you can put it in Stand by mode instead of turning it off completely. Putting the computer in Stand by mode saves energy and allows a quick return to normal computer use. You can use any of the following four methods for activating the Stand by mode.

Note:

Save your work, close all applications, and close your Internet connection, if applicable. Leave the Windows® operating system running.

Setting the computer to enter Stand by mode using the Stand by key

Press the (Stand by) key on the top of the keyboard. The computer goes into Stand by mode.

Setting the computer to enter Stand by mode using the Windows taskbar

1. Click Start in the Windows taskbar, then select Turn Off Computer.
2. Select Stand by.
3. Click OK. The computer goes into Stand by mode.

Setting the computer to enter Stand by mode using the Power button

Briefly press the Power button on the front panel to place your computer into Stand by mode.

Setting the computer to enter Stand by mode automatically

1. Click Start in the Windows taskbar, click Control Panel, then select the category, Performance and Maintenance. The Performance and Maintenance dialog box appears.
2. Click the Control Panel icon for Power Options. The Power Options Properties dialog box appears.
3. Select the Power Schemes tab. Choose an option from the Power schemes drop-down list.

   Note:

   To save the settings under a name that is not offered in the Power schemes drop-down menu, choose your settings and then click Save As.

4. Click Apply and then click OK.

The computer will go into Stand by mode according to your settings.

Resuming from Stand by mode

There are two ways to bring your computer back from Stand by mode:

- Press the space bar on your keyboard.
- Briefly press the power button on your computer.

Stand by mode indicators

You can identify which mode the computer is in by the color of the power indicator light.

Color	Mode
Amber	Computer is in Stand by mode.
Green	Computer is in Normal mode, ready to use.
No color	Computer is turned off or in Hibernate mode.

To Use the System Hibernate Mode

System hibernate mode enables your computer to store everything in its memory to the hard disk drive before shutting down. When you bring the system out of hibernation mode, it returns to the previous state.

Setting the computer to enter Hibernate mode

You can set your computer to automatically enter hibernate mode after a certain time period, by following these steps:

1. Click Start in the Windows® taskbar, click Control Panel, then select the category, Performance and Maintenance. The Performance and Maintenance dialog box appears.
2. Click the Control Panel icon for Power Options. The Power Options Properties dialog box appears.
3. In the section, Settings for Home/Office Desk (default Power Scheme), select the Power Schemes tab. Click the System hibernate drop-down list and select the period of inactivity before your computer goes into hibernate mode.
4. Select the Hibernate tab and verify that Hibernate is enabled with a check mark in the Enable hibernation check box.
5. Click Apply and then click OK.

Your computer is set to go into hibernation mode automatically, according to your settings.

To Shut Down Your Computer

When you are ready to turn off your computer for an extended period of time, use this procedure.

Caution:

To avoid loss of data, do not use the Power switch to turn off the computer.

Turning off your computer

1. Click Start in the Windows® taskbar, then select Turn Off Computer.
   The Turn Off Computer dialog box appears.
2. Select the Turn Off option and click OK.

   Note:

   Respond to any prompts about saving your documents.
3. Wait for your computer to turn off automatically--the power indicator light turns off.
4. Turn off any peripheral devices connected to your computer.

   Note:

   If you plan to turn off your computer for a short period of time, you may want to use Stand by mode instead.

About the Power switch

If your system stops responding, press and hold the Power switch for more than four seconds to force your system to shut down. You may need to repeat this procedure if your system does not shut down on the first attempt.

VAIO Action Setup

VAIO® Action Setup manages the settings for your computer's Programmable Power Keys (PPKs) and internal timer. For more information on changing these settings using VAIO Action Setup, see the online VAIO Action Setup Help.

Accessing VAIO Action Setup Help

1. Click Start in the Windows® Taskbar and select All Programs.
2. Select VAIO Action Setup and click VAIO Action Setup Help.

Using the Programmable Power Keys

Your VAIO® computer is equipped with technology that enables you to access your favorite applications quickly. Each Programmable Power Key (PPK) on your VAIO Convertible keyboard is programmed to launch a preset application with a single press of the key. If you wish, you can use VAIO Action Setup to change the PPK functions.

The Programmable Power Keys are located at the right side of your keyboard, and are numbered P1 through P4. The keys work even when the computer is turned off. Pressing one of the PPK buttons turns on the computer and launches the preset application.

The four Programmable Power Keys are preprogrammed to perform the following functions.

Key	**Function**
P1 (MAIL)	Starts Microsoft® Outlook® Express.
P2 (INTERNET)	Starts Microsoft® Internet Explorer for Windows XP.
P3 (PICTURE)	Starts PictureGear .
P4 (HELP)	Starts Windows® XP Home Edition Help.

To change the PPK settings

1. Click Start in the Windows® Taskbar, and select All Programs.
2. Select VAIO® Action Setup, then click VAIO Action Setup.

   Note:

   You can also double-click the VAIO Action Setup icon, located in the Windows taskbar, to launch VAIO Action Setup.
3. Click the PPK you want to change.
4. From the Select Application dialog box, click the option for the desired function. The corresponding applications appear in the list box on the right.
5. Select an application. Click Next.

   Note:

   You can drag an application to place it in the list box.
6. The Confirmation Application Name window appears. Click Next.
7. You can type a new name and description, if desired. Click Finish.

Setting the Internal Timer

The VAIO Action Setup software enables you to set your computer's internal timer to launch certain applications or documents automatically.

Note:

Some software applications take longer than others to launch. It is advisable to confirm in advance the amount of time your selected application takes to start.

To select the timer's launch application

1. Click Start in the Windows taskbar, and select All Programs.
2. Select VAIO Action Setup, then click VAIO Action Setup.

   Note:

   You can also double-click the VAIO Action Setup icon, located in the Windows taskbar, to launch VAIO Action Setup.
3. Select the Timer tab on the left side of the VAIO Action Setup window.
4. From the Time Setting tab, click the (Time Schedule Setting icon) button.
5. Follow the Select Application wizard instructions.
6. Click Finish to activate your settings.

To set the timer start setting

1. From the Time Setting tab, click Set.
2. Follow the Timer Setup wizard instructions.
3. Click Finish to activate your settings.

Changing the Sony Software Window Design

You can select from different window designs for your Sony software and create your own personal computing environment.

To change the window design

1. Click Start in the Windows taskbar and select the Control Panel.
2. Click Other Control Panel Options.
3. Click UI Design Selector.
4. Click << or >> and select the desired design.
5. Click Apply.
6. The "UI Design Selector" window design changes. The window design for your Sony software will match the "UI Design Selector" window.
7. To try another selection, click << or >>, then click Apply.
8. When you have made your selection, click OK. The UI Design Selector closes and the Sony software window design displays.

Note:

You may only use this feature with compatible UI Design Selector software.

Using the AutoAlert E-mail Notification System

The VAIO® Action Setup utility enables you to program your computer to notify you when new mail arrives in your e-mail mailbox. The Information LED turns red to indicate that new e-mail has arrived. The AutoAlert E-mail Notification System uses Microsoft® Outlook® Express software as the default e-mail software. You need an Internet Service Provider (ISP) and an Internet connection to be set up before using this e-mail notification system.

As an alternative, you can program your AutoAlert E-mail Notification System to have the Information LED indicate when it has successfully completed the task of connecting to your ISP to receive e-mail. In this case, the Information LED light indicates that your e-mail account has been successfully accessed, regardless of whether or not you have e-mail. This feature is supported by the preconfigured e-mail applications listed in the VAIO Action Setup utility.

Note:

The e-mail software you choose to use with the PPK must be set as your default e-mail software.

AutoAlert E-mail Notification System Software Restrictions

If you use software that requires use of a phone line, there may be restrictions on how the AutoAlert e-mail notificaiton system works.

- The computer may not be able to disconnect the phone line due to communication and server conditions.
- Monitor the status of the software when running the AutoAlert E-mail Notification System, and manually disconnect the phone line if you notice a malfunction.
- When using the timer to start the software, set the computer to shut down or enter system Stand by mode after a certain length of time. This permits the computer to disengage the phone line if the computer does not disconnect the line normally.

If you are using the timer to download e-mail automatically

If you set up the timer to retrieve your email, your settings may need adjusting to ensure proper connection and disconnection.

- Set up your e-mail software to reconnect automatically if it does not connect the first time.
- Set up your e-mail software to disconnect automatically when all mail has been downloaded.

If you are using Microsoft Outlook Express

When using the AutoAlert E-mail Notification System with Microsoft® Outlook® Express, select the "Dial automatically" setting in your Microsoft Outlook Express software. To adjust this setting:

1. Start Outlook Express.
2. Click Tools, and then select Options.
   The Options dialog box appears, with the General tab selected.
3. From the drop-down box under Send/Receive Messages, select "Connect even when working offline."
4. Click OK.
5. Click Send/Receive.
   A connection window appears. Select the desired ISP, and then click Connect Automatically.

Configuring Your VAIO Computer

This section provides information about maintaining your computer's hard disk drive performance, connecting a compatible i.LINK® device, and enabling an Ethernet connection.

Hard Disk Drive Partition

To maintain optimum system performance, you should defragment your computer's D partition regularly.

To improve the performance of Sony audio and video software applications, the hard disk drive on your computer has been formatted with two partitions, C and D. Some Sony software applications save files to the D partition. This prevents large video captures from consuming the available space on your C partition.

Defragmenting your hard disk drive

If you encounter frame dropping while recording digital video onto your hard disk drive, defragmentation may be necessary.

1. Deactivate your screen saver and close other open applications, if applicable.
2. Click Start in the Windows Taskbar and select All Programs.
3. Point to Accessories, point to System Tools, and then select Disk Defragmenter.
   The Disk Defragment dialog box appears.
4. Select Action from the menu bar and click Analyze.

Note:

It may take more than a couple of hours to complete defragmentation, depending on the data capacity and current utilization of your computer's hard disk drive(s).

i.LINK (IEEE1394) Compatibility

Your VAIO computer may include either 4-pin or 6-pin, or both types, of i.LINK ports.

Note:

i.LINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The i.LINK connection may vary, depending on the software applications, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK PC peripherals to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

A 6-pin i.LINK port can:

- supply power from the computer to the connected device if the device is equipped with a 6-pin connector.
- supply 10V to 12V.

A 4-pin i.LINK port cannot supply power to a connected device.

Caution:

The total power supplied by the 6-pin i.LINK port cannot exceed 6 watts.

The following Sony i.LINK 400 Mbps cables are available and recommended for use with your computer: VMC-IL4415, VMC-IL4435, VMC-IL4615, VMC-IL4635, VMC-IL6615, and VMC-IL6635.

Sony computer supplies, accessories, and peripherals can be purchased from your local retailer or by accessing the Sony VAIO Direct Web site (http://www.sonystyle.com/vaio), or by calling 1-888-315-7669 (toll free).

Connecting an i.LINK (IEEE1394) device

1. Use the symbol to locate the i.LINK port on your compatible i.LINK device and on your computer. Plug the i.LINK cable connector into this port.
2. Plug the other end of the cable into the corresponding 4- or 6-pin i.LINK port on your computer.

Note:

See the instructions that came with your i.LINK device for more information on installation and use.

To Enable Ethernet Connectivity

Your computer comes with a preinstalled Ethernet port. To enable faster start-up time, your computer may ship with this function disabled. You can enable Ethernet connectivity by following the instructions below.

Enabling the Ethernet connection

1. Click Start in the Windows taskbar, then select Control Panel.
2. From the Pick a Category list, select Performance and Maintenance.
   The Performance and Maintenance dialog box appears.
3. From the Pick a Control Panel icon, select System.
   The System Properties dialog box appears.
4. Select the Hardware tab, then click the Device Manager button to view the installed system hardware.
   The Device Manager dialog box appears.
5. Click the unfold button in the Network Adapters category to reveal all installed network devices. Select "SiS 900 PCI Fast Ethernet Adapter."
6. From menu bar, select Action and then click Properties.
7. Select "Use this device (enable)."
8. Click OK.
9. Close the Device Manager dialog box.
10. Close System Properties dialog box.
11. Close Performance and Maintenance dialog box.

Caution:

Caution: Your computer has a protective sticker covering the Ethernet port located on the rear panel. Connect only 10Base-T and 100Base-TX cables to the Ethernet port. Using other cables or a telephone cable may result in an electric current overload and can cause a malfunction, excessive heat or fire in the port. For help on connecting to a network, see your network administrator.

About the Software on Your Computer

Your VAIO Slimtop computer is ready to help you work, play, learn, and communicate as soon as you turn it on. This section provides an overview of the software titles preinstalled on your computer.

Overview of Software Titles

Note:

Your computer may not be supplied with all of the software applications listed, depending on the system configuration you purchased.

Adobe® Acrobat® Reader
Adobe Systems Inc.

Acrobat Reader software allows you to view, navigate, and print electronic documents in Adobe's Portable Document Format (PDF), an open file format that is intended to preserve the fidelity of documents created on all major computer platforms.

Adobe® GoLive
Adobe Systems Inc.

Adobe GoLive gives you robust design, production, and management features to create dynamic, database-controlled Web sites.

Adobe® LiveMotion
Adobe Systems Inc.

Adobe LiveMotion launches your creativity to new levels when you produce your personal Web designs that are complete with interactivity, sound, and animation.

Adobe® Photoshop® Elements (On selected models)
Adobe Systems Inc.

Using state-of-the-art image editing tools, you can unleash your artistic ability and create digital images for print, e-mail and posting to the Web. The versatile image capturing options allow you to start working with digital and traditional photos immediately. Explore endless creative possibilities for your personal images with Adobe Photoshop Elements.

Adobe® Premiere® LE (On selected models)
Adobe Systems Inc.

Adobe Premiere LE offers interface and editing tools for producing movies for video, multimedia, or the Web. View source clips and edited footage simultaneously on-screen. You can create your own personal video clips that are up to three hours in length, with complete audio-video synchronization.

America Online®
America Online, Inc.

America Online is a popular Internet online service. Stay in touch with family and friends with easy-to-use e-mail. Manage your personal finances, get the latest news and sports scores, and chat with thousands of others who share your interests.

ArcSoft PhotoPrinter® 2000 Pro
ArcSoft Inc.

ArcSoft PhotoPrinter Pro is an easy-to-use, yet advanced printing program that lets you quickly lay out multiple images in multiple sizes on a single sheet of paper. ArcSoft PhotoPrinter Pro offers a wide selection of templates including landscape, portrait, free-style, mixed sizes, custom templates and more. The application includes enhancement tools and special effects for improving photos while giving you the ability to add text to any image. With ArcSoft PhotoPrinter 2000 Pro you can create business cards, handouts, calendars, mailing labels, and much more.

DigitalPrint
Sony Electronics Inc.

This image management software makes it fun and easy to edit, import, and organize your digital pictures in a photo album for rich digital printing to any standard color laser or inkjet printer. Digital Print can also be used to make custom CD labels for your audio CDs.

DVgate
Sony Electronics Inc.

Connect a digital video camera recorder to the i.LINK® port and capture your own video clips and still images. You can edit clips from your video, add new clips, and combine clips into new movie segments. You can also save your images in a variety of popular file formats.

EarthLink Network Total Access
EarthLink Network Inc.

An Internet Service Provider that supplies access, information, and assistance to its customers, introducing them to the

Internet. Member benefits include e-mail, newsgroups, a Personal Start Page, a free 6 MB Web site, a member magazine, and 24-hour technical support.

Media Bar® DVD Player
Sony Electronics Inc.

Media Bar DVD Player is created especially for high-quality DVD playback. You can enjoy the superior digital video quality and the effects features. You can rewind or fast-forward scenes from the DVD Player monitor as you would with any ordinary DVD player, to easily find the scene you want to view. Typical DVD playback features are available, such as multiple angles, audio language tracks, and subtitles. Media Bar DVD Player seamlessly integrates a premium audio/visual experience with an easy-to-use software interface.

Microsoft® Internet Explorer
Microsoft Corp.

Internet Explorer delivers the World Wide Web the way you want it. It's secure, easy to use, and you can personalize how you access the Internet. Outlook Express and other features of Internet Explorer deliver a great Internet experience.

Microsoft® Office XP Professional (On selected models)
Microsoft Corp.

Microsoft Office XP redefines the relationship between people and software by providing a smarter, simpler way of working. New Office XP features include context-sensitive smart tags, enhanced formatting options, and more, that enable you to continually integrate additional services into Office and access information anytime.

Microsoft® Office XP Small Business Edition (On selected models)
Microsoft Corp.

With Microsoft Office XP you'll find a powerful new technology that will help you get work done more quickly by providing real-time, context-sensitive options for important actions, from formatting to error correction. Task panes consolidate important tasks into a single integrated view, enabling you to conduct searches, launch and format documents, and view the contents of your Clipboard from one location.

Microsoft® Outlook® Express
Microsoft Corp.

This messaging tool takes your e-mail and newsgroup communications to new heights. Outlook Express is easy to set up and use, and provides you with secure, personalized, and comprehensive features that protect and enhance your online communication experience.

MovieShaker
Sony Electronics Inc.

Sony's original MovieShaker software creates personal movies that have transitions, background music, and text. Just import your video clips and "shake" with a click of the mouse. Your personal movies are easy to create and fun to share with family and friends.

PC-Cillin® 2000
Trend Micro, Inc.

PC-Cillin provides portable, easy-to-use, real-time antivirus security at your computer's entry point (beaming, synchronization, Internet access) to defend against potential threats hidden inside files, e-mail, or on the Web.

PictureGear
Sony Electronics Inc.

This image management software displays images from your hard drive, a Sony digital still camera, or a Sony Mavica® camera. The images appear in a convenient light-table format, so that you can easily view the contents of an entire folder.

Quicken® 2002
Intuit Inc.

Quicken is the fastest, easiest way to organize your finances. Quicken works just like your checkbook, so it's easy to learn and use. You can even pay your bills online. Quicken manages all of your finances, bank accounts, credit cards, investments, and loans.

RealJukebox®
RealNetworks Inc.

RealJukebox is a popular digital music system that gives you the ability to easily acquire, play and manage digital music files. You can locate and download your favorite music from the Internet and organize your own personal music collection.

RealPlayer®
RealNetworks Inc.

RealPlayer is a high-quality streaming media player that supports many digital media formats. The user-friendly interface has enhanced navigation capabilities, allowing you to access and enjoy audio and video programming over the Internet. RealPlayer is your gateway to a superb Internet multimedia experience.

Smart Capture
Sony Electronics Inc.

Smart Capture is a fun new way to send multimedia messages via e-mail. Smart Capture manages the i.LINK connection between your notebook and a Sony Digital Handycam® Camcorder that supports the i.LINK interface. It allows you to capture compressed video or still images and save them to your hard disk drive or share via e-mail. A smart solution for computer, digital audio/video and network convergence.

SonicStage
Sony Electronics Inc.

This new jukebox application adds a host of new features to its predecessor, OpenMG Jukebox. Continuing to take advantage of Sony's copyright-protected ATRAC3 format for high-quality digital audio storage, SonicStage sports a new Music Visualizer, a sleek new player skin design, audio CD burning capability, and a parametric equalizer for fine-tuning audio playback.

Sony Style Connect
Sony Electronics Inc.

Sony Style Connect provides excellent dial-up, as well as DSL, Internet connection services. To find out which plan is best for you, visit http://www.sonystyleconnect.com and find out what is available in your area.

VAIO Action Setup
Sony Electronics Inc.

VAIO Action Setup manages the settings for your computer's Shortcut keys.

VisualFlow
Sony Electronics Inc.

VisualFlow software is a state-of-the-art Sony multimedia browser designed specifically for Memory Stick® media. It displays any still picture, movie or sound file stored in a Memory Stick media in a visually pleasing, artistic manner. VisualFlow software not only plays a selected movie or sound file, but also enables playback of files by other applications like PictureGear or Memory Stick Slideshow.

WordPerfect® (On selected models)
Corel Corp.

Create professional-looking documents, such as newsletters, reports and brochures with this outstanding word processor, adding graphics, charts and tables with ease. RealTime Preview lets you preview formatting before applying it to your documents and Reveal Codes increases the control you have over document structure.

System, Application and Driver Recovery CD(s)

System Recovery CD(s)
Sony Electronics Inc.

The System Recovery CD utility enables you to restore the operating system and software that shipped with your computer if they become corrupted or are erased. It can be used only to restore the hard disk of the Sony computer you purchased.

Application Recovery CD(s)
Sony Electronics Inc.

The Application Recovery CD program enables you to reinstall individual applications. Use it to restore corrupted or erased files.

Driver Recovery CD
Sony Electronics Inc.

The Driver Recovery CD program enables you to reinstall individual device drivers. Use it to restore corrupted or erased files.

To Use the System Recovery CD(s)

You can reinstall the operating system and software applications that shipped with your computer if they become corrupted or are erased. If you experience a problem with your computer, reinstalling an individual application or device driver may correct the problem.You may not need to recover the entire contents of your hard drive.

Note:

Use the Application Recovery CD(s) to reinstall individual applications.

When you use the System Recovery CD(s), you are prompted to complete the Windows registration process.

Full restore with format

The System Recovery utility formats your hard disk drive and then restores all the original software applications.

Caution:

You will lose any software you have installed and any other files you have created since you started to use your computer. You must reinstall any applications that were not included with the computer when you purchased it.

Using the System Recovery CD(s)

1. Insert the System Recovery CD in your computer's optical drive.
   The System Recovery utility starts from the optical drive. The first CD must be in the drive when you turn on your computer.

   Note:

   If your system is equipped with two optical drives, insert the System Recovery CD into the upper optical drive.

2. Turn off your computer.
3. Wait 30 seconds and turn on your computer.
4. Type the letter "O" to signify you have read and accepted the Microsoft End-User License Agreement.
5. When the System Recovery menu appears, follow the on-screen instructions to complete the recovery process.

   Note:

   Your system may include one or more System Recovery CDs. If you have more than one System Recovery CD, insert the first CD to run the System Recovery program. You are prompted to insert the next CD(s) once the information from the first CD has been installed.

   The recovery process takes approximately 30 to 60 minutes to complete.

   After recovering your system using the System Recovery CD(s), you may be prompted to insert your Application Recovery CD(s) after restarting Windows. Use the Application Recovery CD(s) to complete full restoration of your system.

To Use the Application Recovery CD(s)

The Application Recovery CD utility enables you to reinstall individual software applications if they become corrupted or are erased. Reinstalling an individual software application may correct a problem that you are experiencing with your computer or specific application. You may not need to reinstall the entire contents of your hard drive.

Note:

If you need to reinstall all of the software that shipped with your computer, use the System Recovery CD(s).

You must be in Windows to run the Application Recovery CD utility. If you have any questions about using the Application Recovery CD(s), visit http://www.sony.com/pcsupport, or contact Sony Customer Support at 1-888-4-SONY-PC.

Using the Application Recovery CD(s)

1. Turn on your computer. If your computer is already on, save and close all open applications.
2. When the Windows desktop appears, insert the Application Recovery CD into your computer's optical drive. The Application Recovery utility loads automatically.

   Note:

   If your system is equipped with two optical drives, insert the Application Recovery CD into the upper optical drive.

3. When the Application Recovery menu appears, follow the on-screen instructions to complete the recovery process.

   Note:

   Your system may include one or more Application Recovery CDs. If you have more than one Application Recovery CD, insert the first CD to run the Application Recovery utility. You may be prompted to insert the next CD(s), depending on the software application you wish to restore.

To Use the Driver Recovery CD

The Driver Recovery CD utility enables you to reinstall individual drivers and repair software applications if they become corrupted or are erased. You can reinstall an individual driver to correct a problem that you are experiencing with your computer, peripheral hardware, or software application.

Note:

If you need to reinstall all of the software applications that shipped with your computer, use the System Recovery CD(s).

You must be in Windows to run the Driver Recovery CD utility.

Reinstalling device drivers with the Driver Recovery CD

1. Turn on your computer. If your computer is already on, close all applications.
2. When the Windows desktop appears, insert the Driver Recovery CD into the optical disc drive.

   Note:

   If your system is equipped with two optical drives, insert the Driver Recovery CD into the upper optical drive.
3. Click Start in the Windows taskbar and click Control Panel. The Control Panel window appears.
4. Click Performance and Maintenance and click System. The System Properties dialog box appears.
5. From the Hardware tab, click Device Manager.
6. Click to select the unknown device or the device that requires the driver installation. The unknown device(s) is identified by a yellow question mark.
7. From the Action menu, click Uninstall. This removes the device driver from your system. Click OK. Repeat for each device driver as necessary.
8. Restart your computer. Click Start in the Windows taskbar, select Turn Off Computer, and then click Restart.
9. When the desktop appears, Windows automatically reinstalls the device driver(s) from the Driver Recovery CD.

Troubleshooting

This section describes how to solve common problems you may encounter when using your computer. Many problems have simple solutions, so try these suggestions before you call Sony Customer Support.

Topics

Topic: My computer does not start.

- Check that the computer is plugged into a power source and that it is turned on. Check that the power light is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive (unless you are using a bootable floppy disk).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Check that the monitor is plugged into a power source and turned on. Check that the brightness and contrast controls are adjusted correctly. See the manual that came with your display for details.
- Check that the computer is not in Stand by mode.

Topic: My files are corrupted or deleted. I want to recover applications that came with my computer.

See To Use the Application Recovery CD(s) for more information.

Topic: My drivers are corrupted or deleted. I want to recover drivers that came with my computer.

See To Use the Driver Recovery CD for more information.

Topic: My computer or software application stopped responding.

You can try to locate and close the software application that has stopped responding.

1. Press the Ctrl+Alt+Delete keys. The Windows Task Manager window appears.
2. From the Applications tab, locate the application that has the status message, "Not responding."
3. Click to select the application and then click End Task. Windows attempts to close the application.

If your computer does not respond or the application does not close, try the following steps:

1. Save any open files, if possible.
2. Press the Alt+F4 keys. The Turn Off Computer window appears.
3. Click the Restart button.

If your computer still does not respond and you cannot restart, shut down your computer by pressing and holding the power switch for more than six seconds.

If the software application continues to be unresponsive or causes your computer to stop responding, contact the software publisher or designated technical support provider.

Caution:

Pressing and holding the power switch for more than six seconds may result in the loss of data from files that are currently open.

Topic: Why does the Windows® operating system stop responding during shutdown?

The Windows operating system may not shut down properly for many reasons, including incompatible or conflicting drivers, damaged files, or non-responsive hardware. For troubleshooting information, you can search Windows Help.

1. Click Start in the Windows taskbar and select VAIO Help and Support. The VAIO Help and Support dialog box appears.
2. Select Fixing a Problem and then select Startup and Shut Down problems. A list of specific problem topics appears on the right side of the dialog box.
3. Select Startup and Shutdown Troubleshooter. Follow the onscreen instructions according to your specific situation.

Topic: Why does my computer take longer to start up after installing America Online® (AOL) software?

Installing AOL on some computers may increase the time required to start up by as much as 60 seconds. You can decrease your computer's start up time by disabling the AOL wide area network (WAN) driver. Follow these steps:

1. Click Start in the Windows taskbar, and select Control Panel.
2. Click Network and Internet Connections, and select Network Connections.
3. Right-click on the Local Area Connection with the device name, "WAN Network Driver," select Disable.

Open your AOL connection and verify that the application functions properly with the WAN Network Driver disabled. If you need to restore this Network setting, repeat these steps (1 - 3) and select Enable.

Topic: How do I change the parallel port type to ECP, EPP, or bi-directional?

You can change the parallel port type using the System Setup utility (CMOS Setup Utility). To access System Setup:

1. Click Start in the Windows® taskbar, and select Turn Off Computer. Select Restart.
2. When the Sony screen displays, press the F2 key on your keyboard.
3. Select the Advanced tab from the Setup Utility screen.
4. Select "I/O Device Configuration" and press Enter.
5. Use the arrow keys to highlight Parallel Port Mode and press Enter.

   Note:

   You can toggle between the Normal (bi-directional), EPP, ECP, and ECP+EPP options using the directional arrow keys.
6. Select the desired setting displays, and press Enter.
7. Press the F10 key to Save and Exit.

Topic: The cursor on my Sony Pen Tablet display does not move or moves in an unpredictable manner when I use the VAIO® pen.

You may need to configure your VAIO pen's switch function. See Configuring the VAIO Pen Functions for information on calibrating your pen to the pen tablet display.

Topic: Why doesn't my mouse resume operation as my input device when I stop using the VAIO pen?

A conflict occurs between the pen and another input device while the pen is in contact with the Sony Pen Tablet display screen. When you are finished using your VAIO pen, do not leave it on the tablet screen. Place the pen in the supplied pen stand when it is not in use.

Topic: I cannot draw or erase on the Sony Pen Tablet display with my VAIO pen.

This may occur when you move to different applications or windows where the Sony Tablet Set Up program is not loaded. The application or window will return to its normal state when the pen tip is removed from the tablet screen.

Topic: My VAIO Pen does not respond correctly when my computer returns to Normal mode from Stand by or Suspend modes.

When the VAIO Pen is left too close to the tablet and your system is returning from Stand by or Suspend modes, your VAIO Pen or Sony Pen Tablet settings may change. These symptoms and their solutions are listed as follows:

- If the VAIO Pen does not move the cursor or the Rocker switch does not work, you must restart your computer. Save all open documents and close all open applications with your mouse, before you restart your computer.
- If the tablet mouse (UD cursor) appears to be the default setting in the Sony Tablet software, you can go to the Sony Tablet Property window and select Edit-Reset Settings to cancel this registration.

Topic: My optical drive tray does not open.

Use the Eject button

1. Make sure the computer is turned on.
2. Press the Eject button on the drive.

Use the My Computer icon

1. Click Start in the Windows taskbar, then select My Computer.
2. Right-click the appropriate optical drive icon.
3. Select Eject from the shortcut menu.

Note:

Avoid using adhesive labels to identify your CD media. Adhesive labels may come off while the CD media is in use in your optical drive(s) and may cause damage to the unit.

Topic: I cannot play a DVD or CD.

- After inserting your optical disc, wait a few seconds for it to be detected before trying to access it.
- Verify that the disc is in the tray with the label side facing up.
- Install your CD or DVD software according to the manufacturer's instructions.
- If your drive reads some DVDs or CDs, but not others, check the shiny side of the disc for dirt or scratches. You may also need to clean the disc drive lens with an appropriate cleaner.

Note:

To recover the CD or DVD software applications that are preinstalled on your computer, see To Use the Application Recovery CD(s) for more information.

Topic: I cannot play a DVD.

If a region code warning appears when you are using the DVD player application, it may be that the region code of the DVD you are trying to play is incompatible with the region code setting of your optical drive. A region code is listed on the disc packaging. Region code indicators such as "1" or "ALL" are labeled on some DVDs to indicate the type of player that can play the disc. Unless a "1" or "ALL" appears on the DVD or on its packaging, you cannot play the disc on this system.

If you hear audio but cannot see video, your computer's video resolution may be set too high. To improve video resolution, verify that your screen area is set to 1024 x 768, using 32-bit color (preset factory default). To check your video resolution, see the Troubleshooting topic, How do I change the video resolution of my display?

Note:

If your computer's video memory (RAM) is 11 MB shared system memory, you may improve video resolution by changing your screen area to 800 x 600, using 16-bit color. See your Specifications sheet for details about your computer's video RAM.

If you see video but cannot hear audio, check all of the following:

- Verify that your DVD player's mute feature is turned off.
- Check the master volume setting in the Audio Mixer.
- Check the volume settings on your computer speakers.
- Check the connections between your speakers and the computer.
- Verify that drivers are installed properly, by following these steps:
    1. Click Start in the Windows taskbar, then select Control Panel.
    2. Click Performance and Maintenance and then click Systems. The System Properties dialog box appears.
    3. Select the Hardware tab and then select the Device Manager button to view installed drivers.

A dirty or damaged disc may also cause the computer to stop responding while it tries to read the disc. If necessary, remove the disc and check that it is not dirty or damaged.

Note:

To recover the CD or DVD software applications that are preinstalled on your computer, see "To Use the Application Recovery CD(s)" for more information.

Topic: When I click an application icon, a message such as "You must insert the application CD into your drive" appears and the software does not start.

- Some software applications require specific files that are located on the application's CD-ROM. Insert the disc and try starting the program again.
- Check to make sure you inserted the CD-ROM with the label side facing up.

Topic: Why doesn't my optical drive record at the highest speed?

If you are having difficulty formatting CD-RW media for recording purposes, try changing the write speed to a lower setting.

See the online Help or documentation that came with your CD recording software application for details on adjusting write speed settings.

Topic: Why is my computer operating improperly after downloading the CD-burning component of RealJukebox® software?

If you choose to download and use the optional RealJukebox software's CD-burning component to create CDs, the software feature may interfere with your computer's normal system operations.

For VAIO® computers that are equipped with all of the necessary components for creating a CD-R or CD-RW, Sony recommends using the SonicStage software application to create CDs. SonicStage software is preinstalled on your computer.

Topic: How do I change the video resolution of my display?

1. Click Start in the Windows taskbar, and then select Control Panel.
2. Select Appearances and Themes, then select "Change the screen resolution."
3. Click the Settings tab.
4. Change the Screen resolution and Color quality to the desired levels.
5. Click Apply and then click OK.

Topic: Why is there no sound in any application?

- Check that the speakers are plugged into the Headphones jack.
- If your speakers have a mute button, verify that it is turned off.
- If your speakers are powered by batteries, verify that the batteries are inserted properly and that they are charged.
- If your speakers use an external power source, verify that the power cord is plugged into a grounded wall outlet or power strip.
- If your speakers have volume control, check the volume level.
- You cannot hear sound from your speakers if headphones are connected to your computer.
- If the software application you are using has its own volume control, check that the volume is turned up.
- Check the volume controls in the Windows® operating system using these steps:
    1. Click Start in the Windows taskbar, then select Control Panel.
    2. Select Sounds, Speech, and Audio Devices, then click "Adjust the system volume."
    3. From the Volume tab, adjust the Device volume by moving the slider bar to the desired sound level. Verify that the Mute option is not selected.

Note:

You may need to reinstall the sound drivers. See "To Use the Driver Recovery CD(s)" for more information.

Topic: My modem connection is slow.

Many factors influence modem connection speed:

- Telephone line noise.
- Incompatibility with other telephone equipment such as fax machines or other modems.
- Internet Service Providers (ISP) connection capability may vary.

If you think your modem is not connecting properly to other PC-based modems, fax machines, or your ISP, check the following:

- Contact your phone company and ask them to verify that your phone line is free from line noise.
- If your problem is fax-related, check that there are no problems with the fax machine you are calling and that it is compatible with fax modems.
- For optimum performance, verify that your ISP point of presence (POP) phone number is compliant with V.90 standards.
- If you are having a problem connecting with your ISP, check that they are not experiencing technical problems.

- Try connecting your modem through another phone line, if available.

Topic: My modem does not work.

Your modem may be experiencing equipment or software conflicts. If your modem is not functioning properly, check the following:

- Check that the phone line is plugged into the Line jack.
- Check that the phone line is working. You can check the line by plugging in a standard telephone and listening for a dial tone.
- Check that the access phone number (POP) is correct.
- All software applications that are preinstalled by Sony are compatible with your computer modem. If you have installed other software, contact the software publisher for information on how to configure the software to recognize the modem.
- If it appears that your modem is not functioning properly, check the device status.
    1. Click Start in the Windows® taskbar, then click Control Panel.
    2. Click Printers and Other Hardware and then select Phone and Modem Options.
    3. From the Modems tab, click to select your modem.
    4. Click Properties. The Modem Properties window appears.
    5. Review the information in the Device status section. If your modem is not working properly, click the troubleshoot button. The VAIO® Help and Support Center window appears.
    6. Follow the onscreen instructions to resolve the problem.

Note:

You may need to reinstall the modem drivers. See "To Use the Driver Recovery CD(s) for more information.

Topic: How do I change my modem to rotary or Touch-Tone dialing?

1. Click Start in the Windows® taskbar, then click Control Panel.
2. Click Printers and Other Hardware, then click Phone and Modem options.
3. From the Dialing Rules tab, click Edit. The Edit Location dialog box appears.
4. Select the Tone or Pulse option. Click OK.

Topic: My microphone does not work.

Check that the microphone is plugged into the MICROPHONE jack.

Topic: My microphone is too sensitive to background noise.

If you find there is too much background noise when you record sound, you should adjust the microphone gain by following these steps:

1. Click Start in the Windows taskbar, then click Control Panel.
2. Click Sounds, Speech, and Audio Devices, then click Sounds and Audio Devices.
3. From the Audio tab, locate the Sound recording section and click the Volume button. The Recording Control dialog box appears.
4. Select the Options menu and click Properties. The Properties dialog box appears.
5. In the section, "Adjust volume for," select the Recording option. Click OK.
6. From the Recording Control dialog box, decrease the microphone volume level by moving the slider bar down.
7. Close the Recording Control dialog box and then close the Sounds and Audio Devices Properties window.

Topic: My mouse does not work.

- Check that the mouse is plugged securely into the Mouse port.
- Save and close all open applications. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- There may be dust or dirt inside the mouse mechanism. To clean the mouse, follow these steps:

1. Save and close all applications, and turn off your computer.
2. Turn the mouse upside down.
3. Remove the mouse ball cover on the back of the mouse by turning clockwise the ring that covers the mouse ball.
4. Turn the mouse upright, and drop the mouse ball into your hand.
5. Using a piece of tape, remove any dust or dirt on the mouse ball and inside the mouse ball socket.
6. Return the mouse ball to the socket, and replace the mouse ball cover. Secure the cover by turning the ring counter-clockwise.

Note:

You may need to reinstall the mouse drivers. See "To Use the Driver Recovery CD" for more information.

Topic: My mouse needs to be set up for left-hand use.

1. Click Start in the Windows taskbar, then click Control Panel.
2. Click Printers and Other Hardware, then click Mouse. The Mouse Properties dialog box appears.
3. From the Buttons tab, select "Switch primary and secondary buttons" under the Button Configuration options.
4. Click Apply, then click OK.

Topic: My keyboard does not work.

- Check that the keyboard is securely plugged into the Keyboard port.
- Save and close all open applications. Turn off your computer, wait approximately 10 seconds, and then restart your computer.

Topic: I cannot find the Windows® taskbar.

The Windows taskbar may be hidden or minimized.

- Use the mouse to locate a hidden taskbar by pointing to the left, right, top, and bottom edges of the screen. The taskbar appears when the cursor is placed over its location.
    1. Right-click on the taskbar and select Properties from the shortcut menu.
    2. Clear the check box for Autohide the taskbar, then click OK.
- Use the mouse to locate a minimized taskbar by pointing to the left, right, top and bottom edges of the display screen. The taskbar has been located when the cursor changes to a double arrow cursor. Left-click and drag away from the edge of the display screen. The minimized taskbar resizes and becomes visible.

Topic: Why is my system running slowly?

- The system responsiveness varies depending with the number of applications that are open and running. Close any applications that you are not currently using.
- Increasing the system memory may also help. For information on installing memory, please see the online VAIO® User Guide.

Topic: How do I install a printer?

- If your printer has a USB, IEEE1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:
    1. Click Start in the Windows® taskbar, then click Control Panel.
    2. Click Printers and Other Hardware, then click Add a Printer.
    3. From the Add Printer Wizard, click Next.
    4. Select Local Printer, then click Next.

       Note:

       Place a check mark in the box for "Automatically detect and install my Plug and Play printer," if you are installing a recently manufactured printer with Plug and Play capability.

5. Select the appropriate port, usually LPT1, and then click Next.
6. Select the appropriate printer manufacturer and model.
7. Follow the onscreen instructions to print a test page and complete printer installation.

Note:

If the printer is not included in the list and the printer manufacturer included a disk with a Windows XP Printer driver, choose Have Disk, enter the appropriate path for the disk or CD and click OK.

If the printer is not included on the list and no drivers are included with the printer, choose an alternate printer driver that your printer may emulate. Refer to the manual that came with your printer for specific emulation information.

Topic: My connected printer doesn't function after the computer resumes from a power saving mode.

Clear the printer memory by turning the printer off for approximately 10 seconds, and then turning it back on.

To contact Sony for technical support

For further technical assistance, call 1-888-4-SONY-PC (1-888-476-6972) or access the Sony Computing Support Web site at: http://www.sony.com/pcsupport.

Notes on Use

The information in this section provides basic procedures to follow when handling your computer, components, and accessories.

The power source

- Your computer operates on 100-120 V AC 50/60 Hz only.
- Plug all the power cords for your computer and its peripheral equipment into the same AC supply line. AC derived from different supply lines may result in voltage differences that can cause unstable operation or unwanted weak currents at the time of connection.
- Do not share the AC outlet with any other power-consuming equipment, such as copying machines or shredders.
- You can purchase a power strip with a surge protector. This device prevents damage to your computer caused by sudden power surges such as those that may occur during an electrical storm.
- If you live in an area that experiences frequent power fluctuations, you may want to purchase an Uninterruptible Power Supply (UPS). This device contains both a surge protector and a battery backup. The surge protector prevents damage to your computer caused by power surges. The battery backup safeguards your data during a brief period of power loss.
- The power control button on the front panel does not turn off the system AC power. To remove power from the system, you must turn off the computer and then unplug the AC power cord from the wall outlet or power strip.
- Do not place heavy objects on the power cord.
- Do not operate the system with the cover removed. Always reinstall the cover before turning on the system.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Unplug your computer from the wall outlet if you are not using the computer for a long time.
- Before touching anything inside the computer, turn the system off and let it cool for ten minutes. This ensures that the processor heat sink is not hot.
- Do not attempt to open the power supply. There are no user-serviceable parts in the power supply. To avoid personal injury or damage to your equipment, refer the repair or replacement of the power supply to qualified personnel only.

Disposal of the lithium battery

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972).

Caution:

Do not handle damaged or leaking lithium batteries. The lithium battery may explode if mistreated. Do not disassemble it or dispose of it in fire.

Replace the battery with a Sony CR2032 lithium battery. Using a type of battery other than a CR2032 may present a risk of fire or explosion.

Handling the computer system

- Do not place your Sony computer in a location subject to:
  - Heat sources, such as radiators or air ducts
  - Direct sunlight
  - Excessive dust
  - Mechanical vibration or shock
  - Strong magnets or speakers that are not magnetically shielded
  - Ambient temperature of more than 95ºF (35ºC) or less than 50ºF (10ºC)
  - High humidity, moisture, or rain
- Do not place electronic equipment near your computer. The computer's electromagnetic field may cause a malfunction.
- Provide adequate air circulation to prevent internal heat build-up. Do not place your computer on loose surfaces (such as rugs or blankets) or near materials (such as curtains or draperies) that may block its ventilation slots. Leave a space of at least 8 inches from the back panel of your computer.
- Clean the cabinet with a soft, dry cloth or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine, as it may damage the finish of your Sony computer.
- Should any solid object or liquid fall into the cabinet, keyboard, or mouse, shut down your computer and then unplug it. You may want to have the computer checked by qualified personnel before operating it any further.
- The computer uses high-frequency radio signals and may cause interference to radio or TV reception. Should this occur, relocate the computer a suitable distance away from the set.
- Use only specified peripheral equipment and interface cables; otherwise, problems may result.
- Do not use cut or damaged connection cables.
- Always switch the power off before connecting your computer to peripheral equipment; otherwise, damage may occur to the integrated circuits in your computer.
- Your computer, keyboard, and mouse consist of high-precision electronic parts. Do not drop them or bump them against other objects.
- Your Sony computer will not work with party lines, cannot be connected to a coin-operated telephone, and may not work with multiple phone lines or a private branch exchange (PBX).
- If the telephone company makes a service call to your home or office and determines that your computer is responsible for the problem, the telephone company may bill you for the service call. If you do not disconnect your computer when it is adversely affecting the telephone line, the telephone company has the right to disconnect your service until you correct the problem.

Moisture condensation

If your computer is brought directly from a cold location to a warm one, moisture may condense inside your computer. In this case, allow at least an hour before turning on your computer. If any problem occurs, unplug your computer, and contact your Sony Service Center.

Upgrading the computer system

- The procedures described in the online manual, Upgrading and Maintaining Your VAIO Slimtop Computer, assume familiarity with the general terminology associated with personal computers and with the safety practices and regulatory compliance required for using and modifying electronic equipment.
- Disconnect the system from its power source and from any telecommunications links, networks, or modems before you open the system or follow any of the procedures described in the online manual, Upgrading and Maintaining Your VAIO Slimtop Computer. Failure to do so may result in personal injury or equipment damage.
- Electrostatic discharge (ESD) can damage disk drives, add-on cards, and other components. Follow the procedures described in the online manual, Upgrading and Maintaining Your VAIO Slimtop Computer, only at an ESD workstation. If such a station is not available, do not work in a carpeted area, and do not handle materials that produce or hold static electricity (for example, cellophane wrappers). Ground yourself by maintaining continuous contact with an unpainted metal portion of the chassis while performing the procedure.
- When removing a slot cover, be careful not to damage components on the system board or add-on cards. You may need to temporarily remove add-on cards that are next to the slot cover you want to remove.

On Handling a Pen Tablet (LCD) display

- Do not leave the display directly facing the sun for a long period of time as it can damage the LCD screen.
- Do not scratch the LCD screen or exert pressure on it. This may cause damage to the screen or cause a malfunction.
- Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.
- Your display consists of high-precision electronic parts. Do not drop or bump it against other objects.
- The Sony Pen Tablet display uses high-frequency radio signals and may cause interference to radio or TV reception. Should this occur, relocate the computer a suitable distance away from the radio or TV.

Using the hard disk drive

- Do not place the computer in a location that is subject to vibration or shock.
- Do not move the computer during operation.
- Do not subject the computer to sudden changes in temperature.
- Do not turn off the power while the computer is accessing the hard disk drive.

Handling floppy disks

- Do not open the shutter manually and touch the surface of the floppy disk.
- Keep floppy disks away from magnets.
- Keep floppy disks away from direct sunlight and other heat sources.

Handling CD or DVD media

- Do not touch the surface of the disc.
- Do not drop or bend the disc.
- Do not use adhesive labels to identify the disc. The label may come off while the disc is in use in the optical drive and damage the drive.

Cleaning CD or DVD media

- Fingerprints and dust on the surface of a disc may cause read errors. Proper care of the disc is essential to maintain its reliability. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray, as they may cause damage to the disc.
- For normal cleaning, hold the disc by its edge and use a soft cloth to wipe the surface from the center out.
- If the disc is badly soiled, moisten a soft cloth with water, wring it out well, and use it to wipe the surface of the disc from the center out. Wipe off any remaining moisture with a dry soft cloth.

For Answers to Your Software Questions

This section provides support information for your computer's preinstalled software applications.

Note:

Your computer may not be supplied with all of the software applications listed, depending on the system configuration you purchased.

Software support

Check this support listing to locate information from the Internet, by e-mail, or by telephone.

Adobe® Acrobat® Reader , Adobe® GoLive , Adobe® LiveMotion , Adobe® Photoshop® Elements (on selected models), Adobe® Premiere® LE (on selected models) (Adobe Systems Inc.)

Web site http://www.adobe.com

phone 206-675-6126 (fee-based support)

fax 206-628-5737

e-mail techdocs@adobe.com

hours M - F, 6 AM - 5 PM PST

America Online® (America Online, Inc.)

Web site http://www.aol.com

phone 800-827-6364

hours 7 days a week, 8 AM - 2 AM ET

ArcSoft PhotoPrinter® 2000 Pro (ArcSoft Inc.)

Web site http://www.arcsoft.com

http://www.photoisland.com

phone 510-440-9901

e-mail support@arcsoft.com

hours M - F, 8:30 AM - 5:30 PM PST

Earthlink Network Total Access (Earthlink Network Inc.)

Web site http://help.earthlink.net/techsupport

phone 800-395-8410

e-mail support@earthlink.net

hours 7 days a week, 24 hours a day

Microsoft® Windows® XP Home Edition operating system, Internet Explorer, Outlook® Express, Office XP Professional (on selected models), Office XP Small Business Edition (on selected models) (Microsoft Corp.)

Web site http://www.sony.com/pcsupport

phone 888-4-SONY-PC (888-476-6972)[1]

hours 7 days a week, 24 hours a day

[1] Support from 888-4-SONY-PC is free of charge for 90 days after the original date of purchase.

PC-Cillin® 2000 (Trend Micro, Inc.)

Web site http://www.antivirus.com/pc-cillin

phone 949-387-7800

email support@trendmicro.com

hours M - F, 8:00 AM - 5:00 PM PST

Quicken® 2002 Basic (Intuit Inc.)

Web site http://www.intuit.com/support

phone 900-555-4932; 800-644-3193[1]

hours M - F, 5:00 AM - 5:00 PM PST

[1] Support from 900-555-4932 is fee-based. Support from 800-644-3193 is automated and free of charge.

RealJukebox®, RealPlayer® (RealNetworks Inc.)

Web site http://www.real.com/jukebox/index.html (RealJukebox)

http://www.real.com/player/index.html (RealPlayer)

e-mail http://service.real.com/help/call.html (online form)

Sony Applications (Sony Electronics Inc.)

Web site http://www.sony.com/pcsupport

phone 888-4-SONY-PC (888-476-6972)[1]

hours 7 days a week, 24 hours a day

[1] Support from 888-4-SONY-PC is free of charge for 90 days after the original date of purchase.

Sony Style Connect (Sony Electronics Inc.)

Web site http://www.sonystyleconnect.com

phone 888-584-4467

WordPerfect® (Corel Corp.)

Web site http://www.corel.com/support/product_specific/wp9.htm

phone 716-871-2325

hours M - F, 8:30 AM - 7:30 PM ET

Sony Service Center

For the Sony Service Center nearest you, call 1-888-4-SONY-PC (1-888-476-6972) or visit the Sony Computing Support Web site at http://www.sony.com/pcsupport. This service is free of charge for 90 days after the original date of purchase.

Resources

Sony provides several support options for your Sony computer. When you have questions about your computer and the preinstalled software, check these sources for answers, in the following sequence:

VAIO® QuickStart The QuickStart contains information on how to set up your computer quickly and easily.

VAIO Computer

User Guide The *User Guide* contains information on how to get the most from your computer, find help, and solve common problems. **(Note: The User Guide is not available in hard copy for all models.)**

Online (Electronic) Documentation The *User Guide* is available electronically on your hard drive. Two additional guides, *Upgrading and Maintaining your VAIO Computer* and the *Troubleshooting Help are also available online.*
To access online documentation:
1. Click Start and point to VAIO Help and Support Center.
2. Click on the VAIO User Guide.

Software application manuals and online help files Most manuals for preinstalled software are located on your hard disk drive as online help files. You can access online help files from the Help menu within the specific application. A printed manual may be available for some applications.

Knowledge Database This database provides instant access to information on commonly encountered problems. Enter a description of your problem and the Knowledge Database searches for the corresponding solutions online. You can access the Sony Knowledge Database from the Sony Computing Support Web site at http://www.sony.com/pcsupport.

Sony Fax-on-Demand This service provides you with answers to commonly asked questions. You can use this automated service to request a list of available topics. Select the topics that you want to view. To contact the Sony fax-on-demand service, call 1-888-4-SONY-PC (1-888-476-6972). (Requires a fax machine or fax software.)

Software Updates You can download the latest software updates and software patches for your Sony computer by selecting Software Updates on the Sony Computing Support Web site at http://www.sony.com/pcsupport.

VAIO Computer System Reference Manual This advanced reference manual supplies detailed technical information about your computer's hardware. This document is available at the Sony Computing Support Web site at http://www.sony.com/pcsupport.

Upgrading and Maintaining Your VAIO Slimtop Computer

In the future, you may want to increase the functionality of your VAIO Slimtop computer. This section describes how to open your computer, insert add-on cards, and add memory. For more information on upgrading your Sony computer, see the *System Reference Manual*. You can download the *System Reference Manual* from the Sony Computing Support Web site at: http://www.sony.com/pcsupport.

Overview

The procedures in this section assume you are familiar with the general terminology associated with personal computers and with the regulatory compliance required for using and modifying electronic equipment.

Before you upgrade your computer

Observe proper safety precautions when you modify your computer. See Upgrading the computer system.

Caution:

Electrostatic discharge (ESD) can damage disk drives, add-on cards, and other components. Follow the procedures described here only at an ESD workstation. If such a station is not available, do not work in a carpeted area and do not handle materials that produce or hold static electricity (for example, cellophane wrappers). Ground yourself by maintaining continuous contact with an unpainted metal portion of the chassis while performing the procedure.

Always turn the power off before you open the system or connect your computer to peripheral equipment. Otherwise, damage may occur to the integrated circuits in your computer.

To Remove the Cover

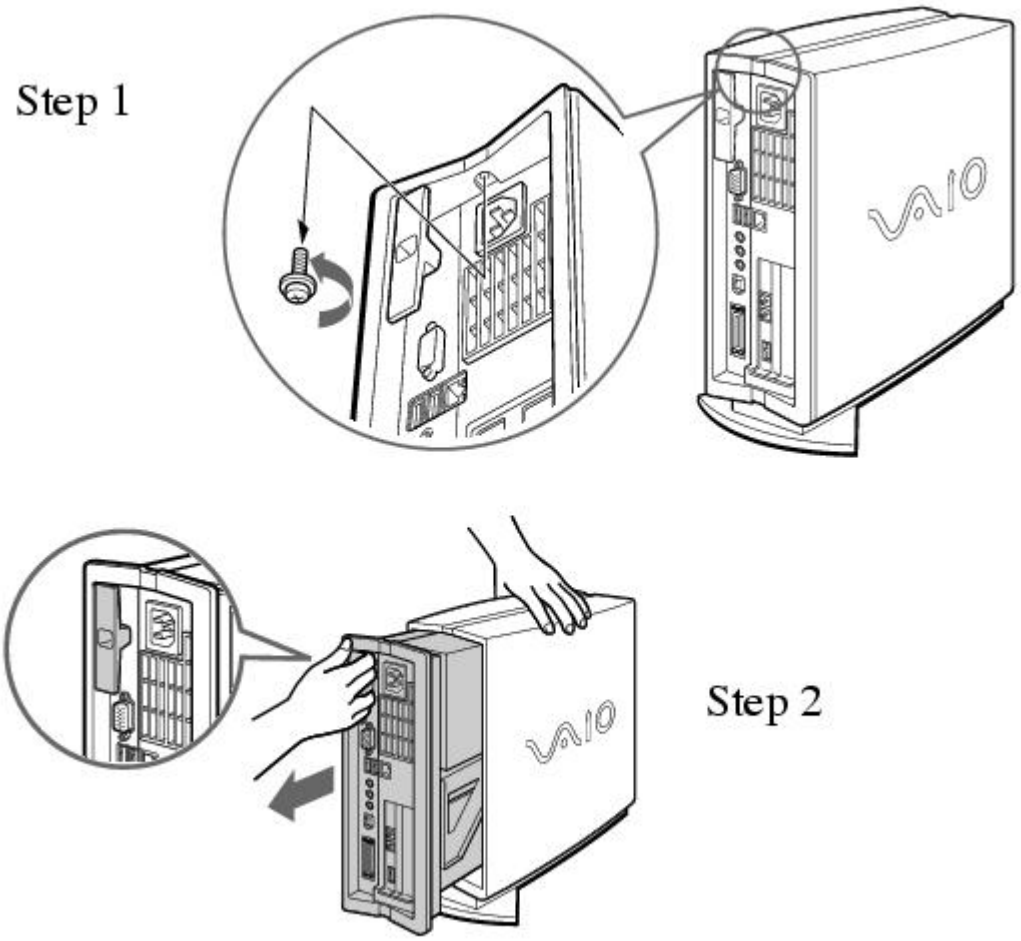
Caution:

If you remove the cover immediately after you shut down your computer, the components may be too hot to touch. Wait until the internal parts of the system unit cool down before you attempt to remove the cover.

Removing the cover

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the AC power cord from the back of the computer.
4. Remove the screw from the top of the rear panel.
5. Holding the top of the system unit firmly, pull the T-lever on the back of unit in the direction shown in the lower picture.

Removing the cover



To Insert an Add-on Card

There are two PCI expansion slots in your computer. One slot contains the preinstalled modem card. The second slot is open for installation of an add-on card that supports Windows® XP and the PCI revision 2.1 specification.

Note:

Your VAIO Slimtop Computer cannot accommodate PCI add-on cards over 6.6 inches in length.

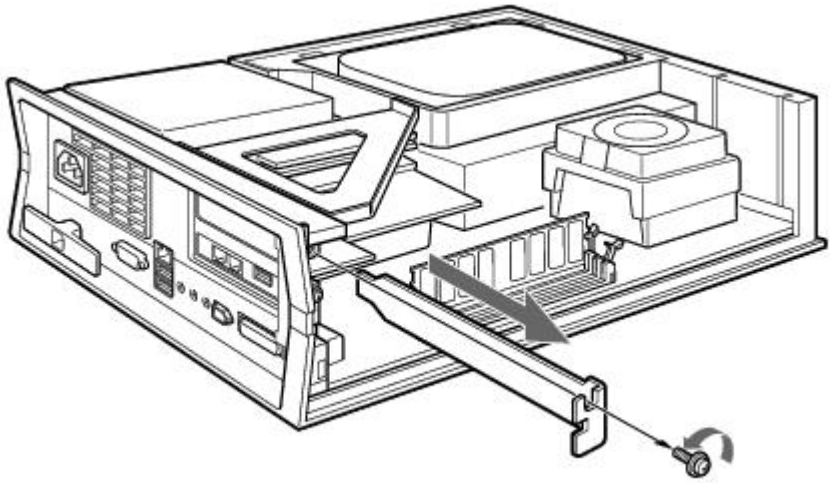
Caution:

Observe the proper safety precautions when you add cards to your Sony computer. See Upgrading the computer system.

Inserting an add-on card

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the cover as described in Removing the cover.
4. Locate the available expansion slot. Remove the screw, then remove the slot cover.

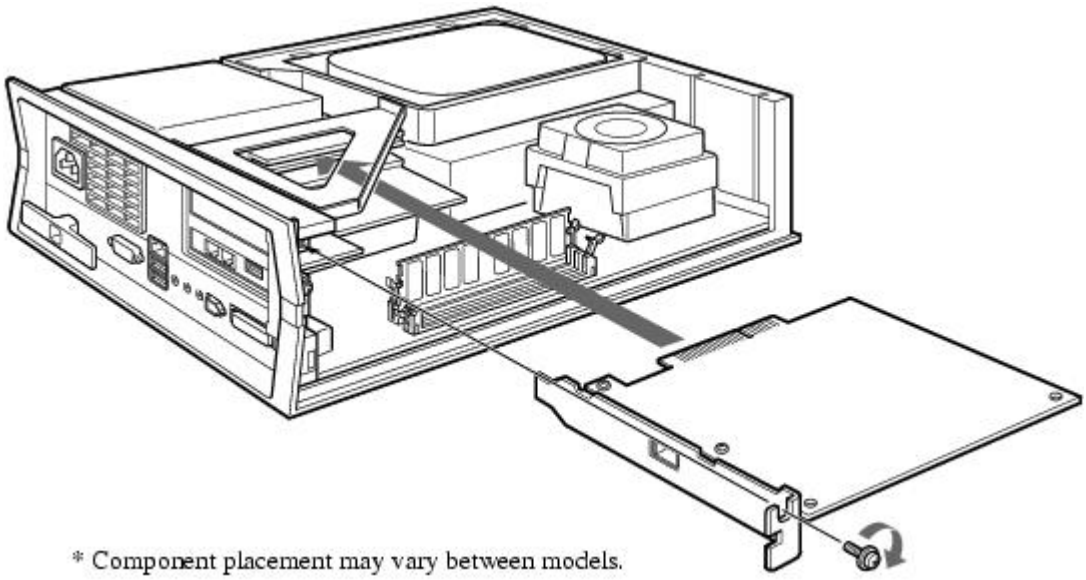
Removing the slot cover



* Component placement may vary between models.

5. Install the add-on card by inserting it into the available expansion slot and securing it with the screw from the expansion slot cover.

Installing an add-on card



* Component placement may vary between models.

6. Attach any internal cables that the card requires. See the instructions that came with the add-on card.
7. Replace the cover and reinsert the screw at the top of the rear panel.
8. Reconnect all peripheral devices and the power cord, then turn on the computer.

To Add Memory

The computer has two memory slots. For memory upgrades, use only 3.3V 64-bit, PC-133 MHz SDRAM Dual Inline Memory Modules (DIMM).

Note:

You can purchase additional memory modules, accessories, and peripheral equipment from your local retailer.

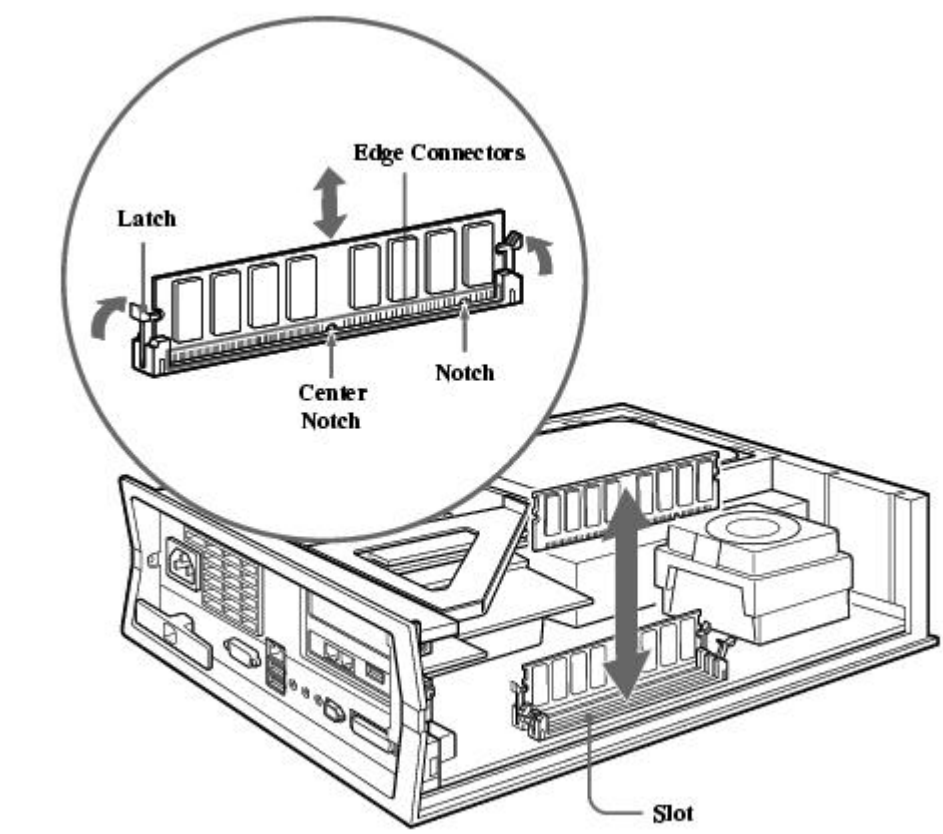
Caution:

Observe the proper safety precautions when you add or remove memory in your Sony computer. See Upgrading the computer system.

Removing memory

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the cover as described in Removing the cover.
4. If necessary, remove any cables, add-on cards, or other components to access the DIMM slots.
5. Locate the DIMM you wish to remove.
6. Push down on the handles located on both sides of the module to eject it from the slot.
7. Grasp one edge of the DIMM module and lift it out. Store the module in a static-free bag.

Removing/Installing memory



* Component placement may vary between models.

Installing Memory

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the cover as described in Removing the cover.
4. If necessary, remove any cables, add-on cards, or other components to access the DIMM slots.
5. Handle the DIMM only by the edges, and remove it from its anti-static package.
6. Locate the notches on the bottom edge of the DIMM.
7. Align the DIMM over the slot.

   Caution:

   To avoid damaging the DIMM slot, move the DIMM latches slightly outward to relieve pressure. The module clicks into place.
8. Firmly insert the bottom edge of the DIMM into the slot.
9. Press evenly against the DIMM's upper corners. The end latches snap into position to hold the module in place.
10. Reinstall any add-on cards or components you removed.
11. Replace the cover and reinsert the screw at the top of the rear panel.

To Replace the Lithium Battery

The lithium battery starts to weaken after several years and the system settings, such as the date and time stored in CMOS RAM, may become inaccurate. For detailed information on replacing the lithium battery, see the *System Reference Manual*. You can download the *System Reference Manual* from the Sony Computing Support Web site at: http://www.sony.com/pcsupport.